

● 16 I ME 7520 7476 KW CCRA engine identification code CCRA

From March 2010

**Notes**

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

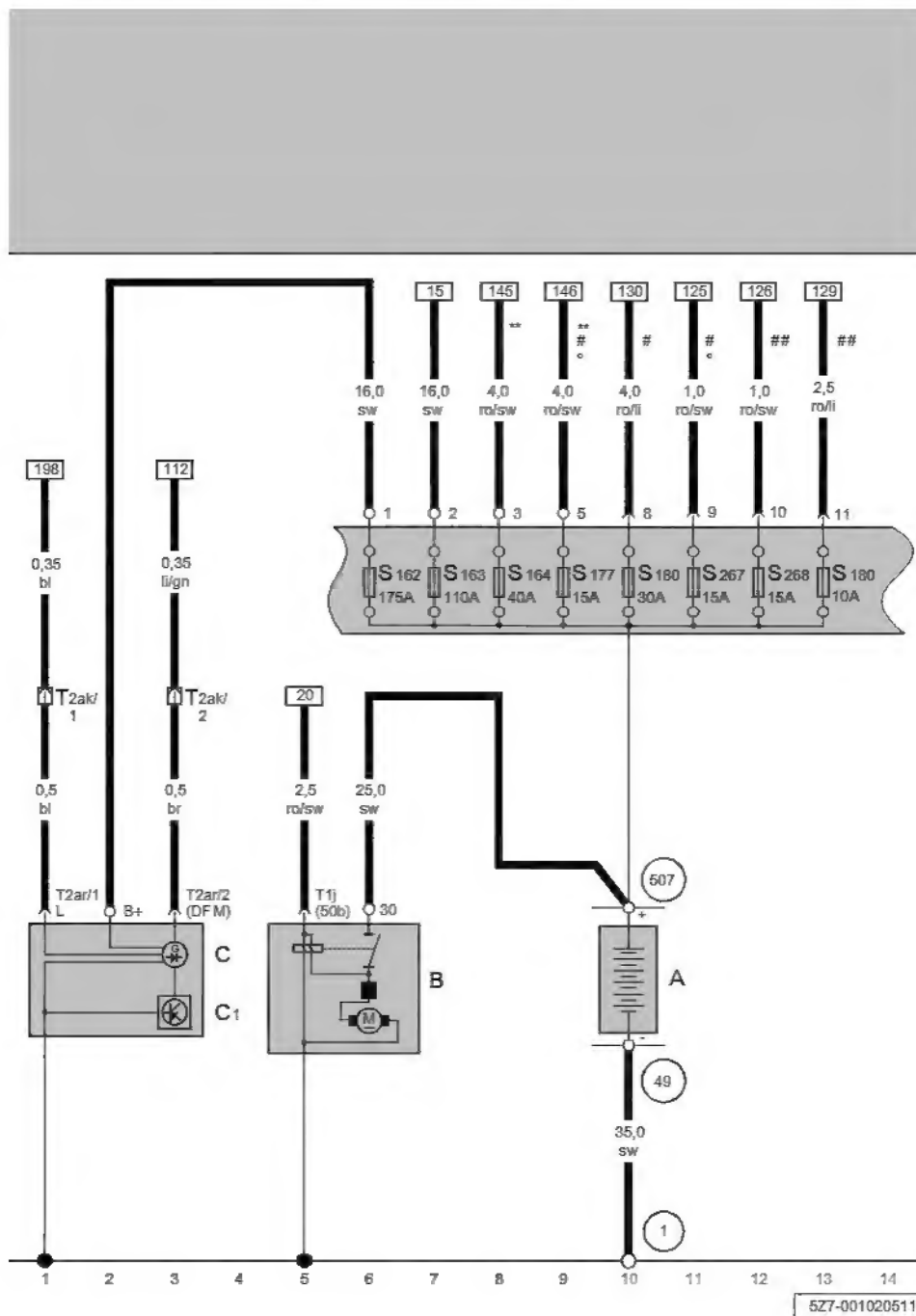
⇒ See fitting locations

For information about

◆ Assisted fault pinpointing

⇒ See Guided functions





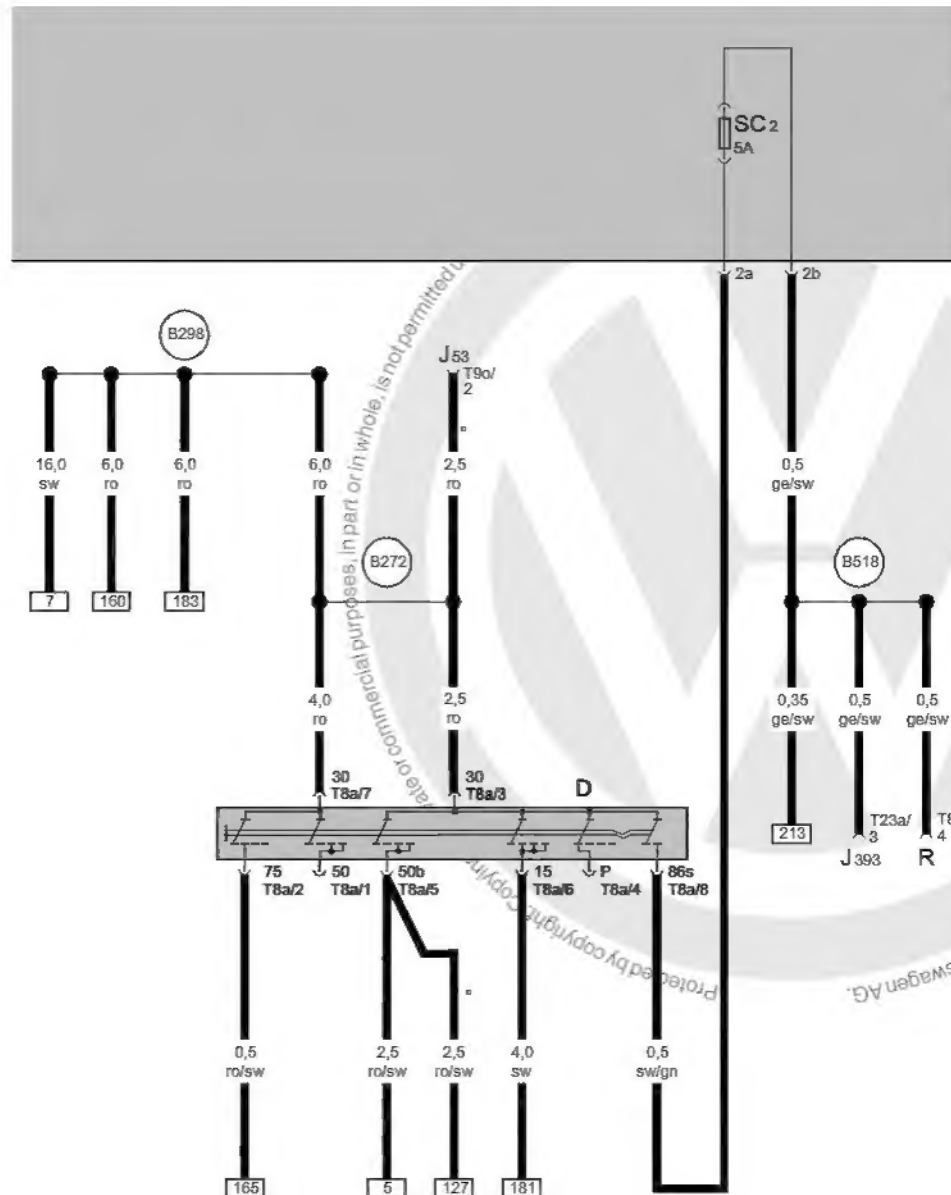
# Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- S164 Fuse 3 30 in battery fuse holder
- S177 Fuse 5 30 in battery fuse holder
- S180 Fuse 8 30 in battery fuse holder
- S267 Fuse 9 30 in battery fuse holder
- S268 Fuse 10 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- 1 Earth strap battery body
- 49 Earth point near the battery
- 507 Screw connection 30 battery fuse holder

Only for vehicles with air conditioning  
 Only for vehicles with automatic manual transmission  
 Until February 2011  
 From February 2011

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink



### Ignition switch

- D Ignition switch
- J53 Starter motor relay
- J393 Central control unit for the convenience system
- R Radio
- SC2 Fuse 2 on fuse holder C
- T8a Fitting connector 8pin on ignition switch
- T8f Fitting connector 8pin on radio
- T9a Fitting connector 9pin on starter relay
- T23a Fitting connector 23 poles on central control unit for the convenience system

B272 Positive connection 30 on main harness

B298 Positive connection 2 30 on main harness

B518 Connection 86s on main harness

Only for vehicles with automatic manual transmission

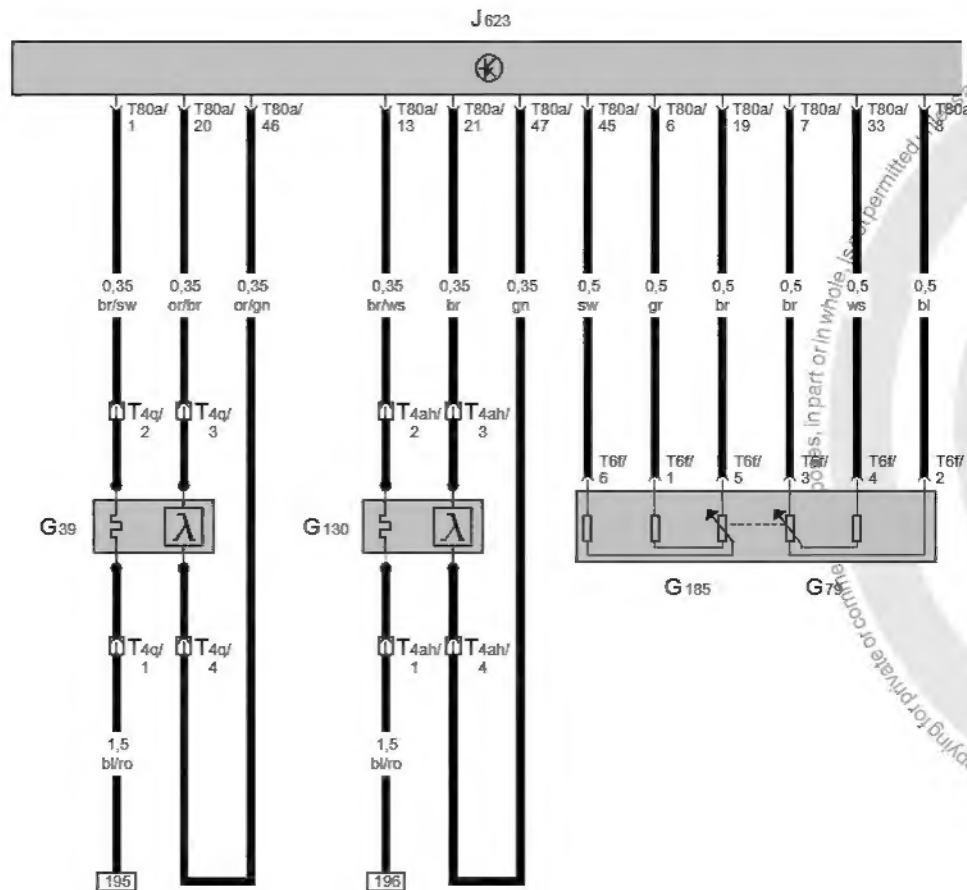
ws = white  
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 gr = grey  
 li = purple  
 ge = yellow  
 or = orange  
 rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

5Z7-001030511

Lambda probe Throttle pedal position sensor Lambda probe  
after catalytic converter Throttle pedal position sensor 2  
Engine control unit

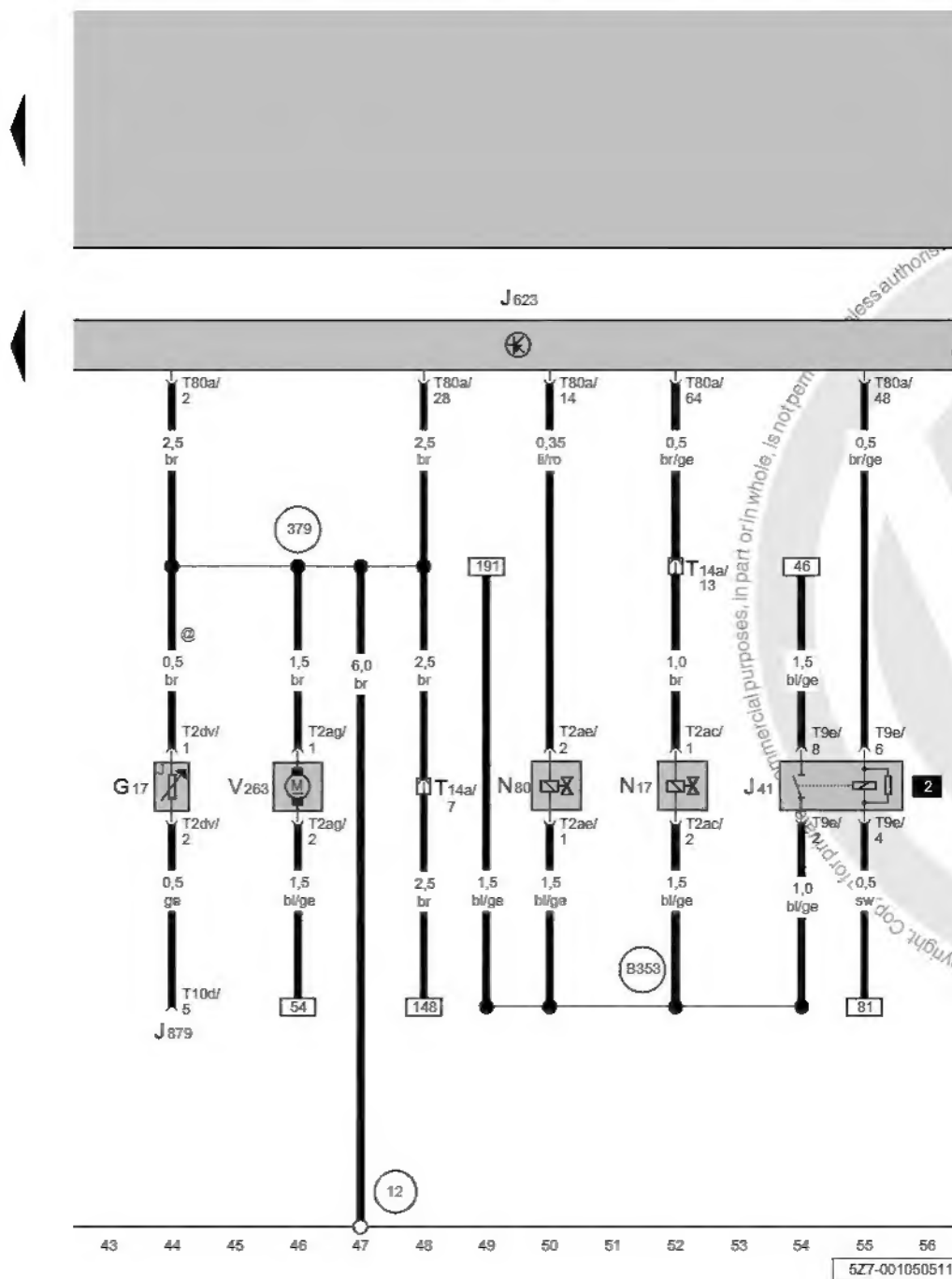
- G39 Lambda probe
- G79 Accelerator position sender
- G130 Lambda probe after catalytic converter
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4q Fitting connector 4pin on Lambda probe
- T4ah Fitting connector 4pin on Lambda probe after catalytic converter
- T6f Fitting connector 6pin on Throttle pedal position sensor
- T80a Fitting connector 80 poles on engine control unit



ws = white  
sw = black  
ro = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = purple  
ge = yellow  
or = orange  
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29 30 31 32 33 34 35 36 37 38 39 40 41 42

5Z7-001040511

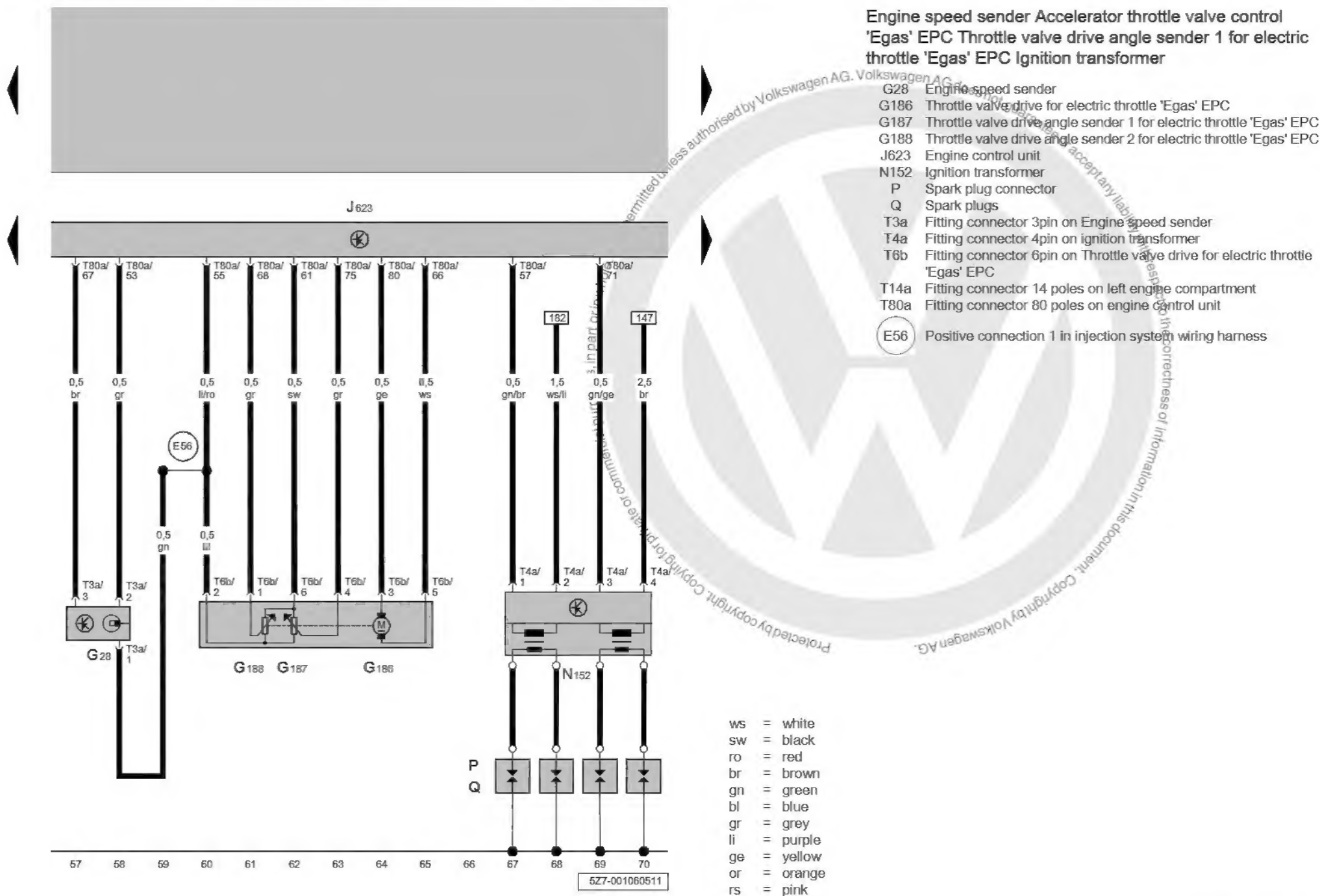


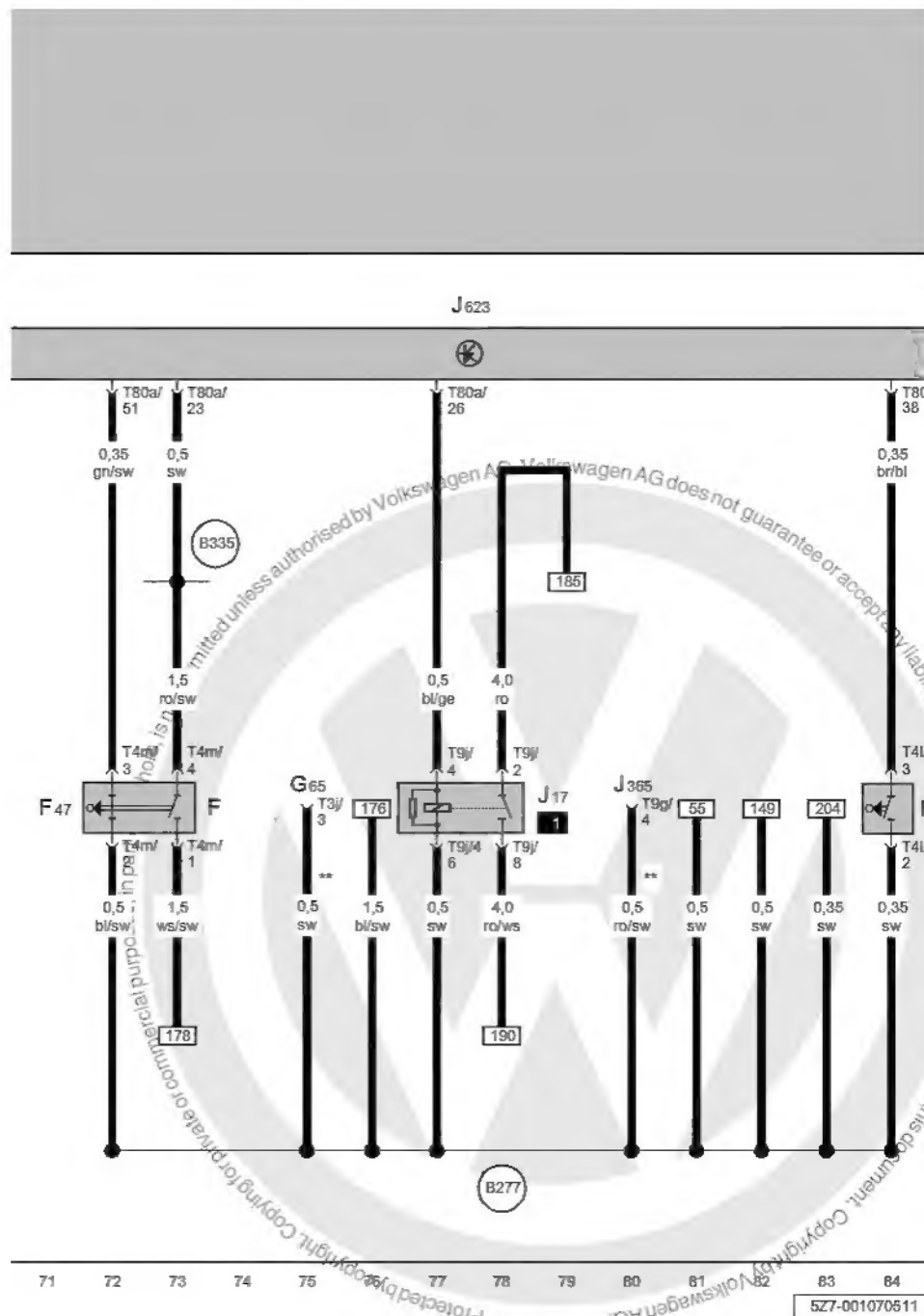
External temperature sensor Cold start device relay Engine control unit Cold start valve Magnetic valve 1 for activated charcoal container Fuel pump for cold start

- G17 Ambient temperature sensor
- J41 Cold start device relay
- J623 Engine control unit
- J879 Control unit for interactive system
- N17 Cold start valve
- N80 Activated charcoal filter solenoid valve 1
- T2ac Fitting connector 2pin on cold start valve
- T2ae Fitting connector 2pin on Magnetic valve 1 for activated charcoal container
- T2ag Fitting connector 2pin on cold start fuel pump
- T2dv Fitting connector 2pin on external temperature sensor
- T9e Fitting connector 9pin on Cold start device relay
- T10d Fitting connector 10 poles on control unit for interactive system
- T14a Fitting connector 14 poles on left engine compartment
- T80a Fitting connector 80 poles on engine control unit
- V263 Fuel pump for cold start

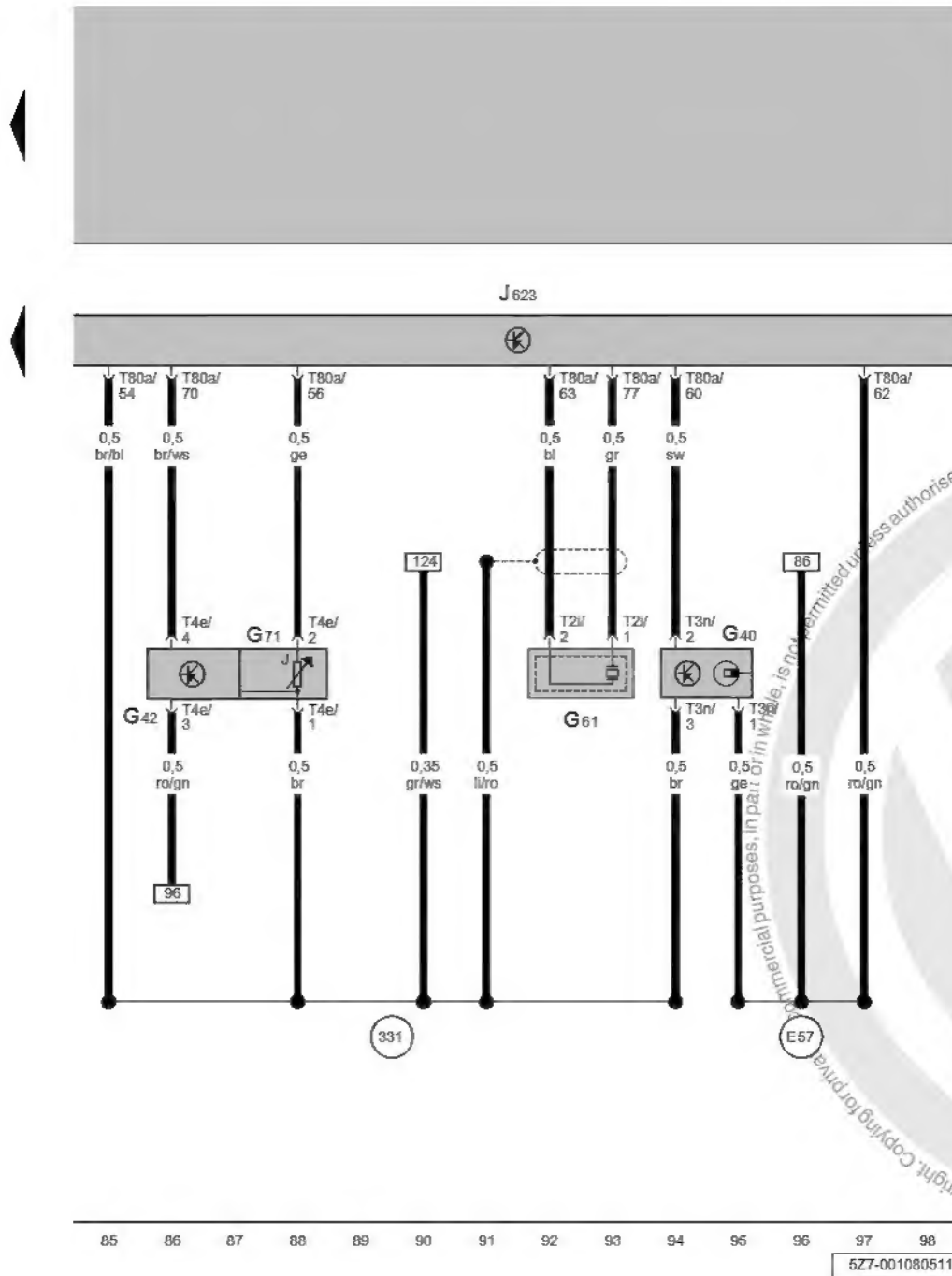
- 12 Earth point in engine compartment left
- 379 Earth connection 14 in main harness
- B353 Positive connection 4 87a on main harness
- Only for vehicles with interactive system

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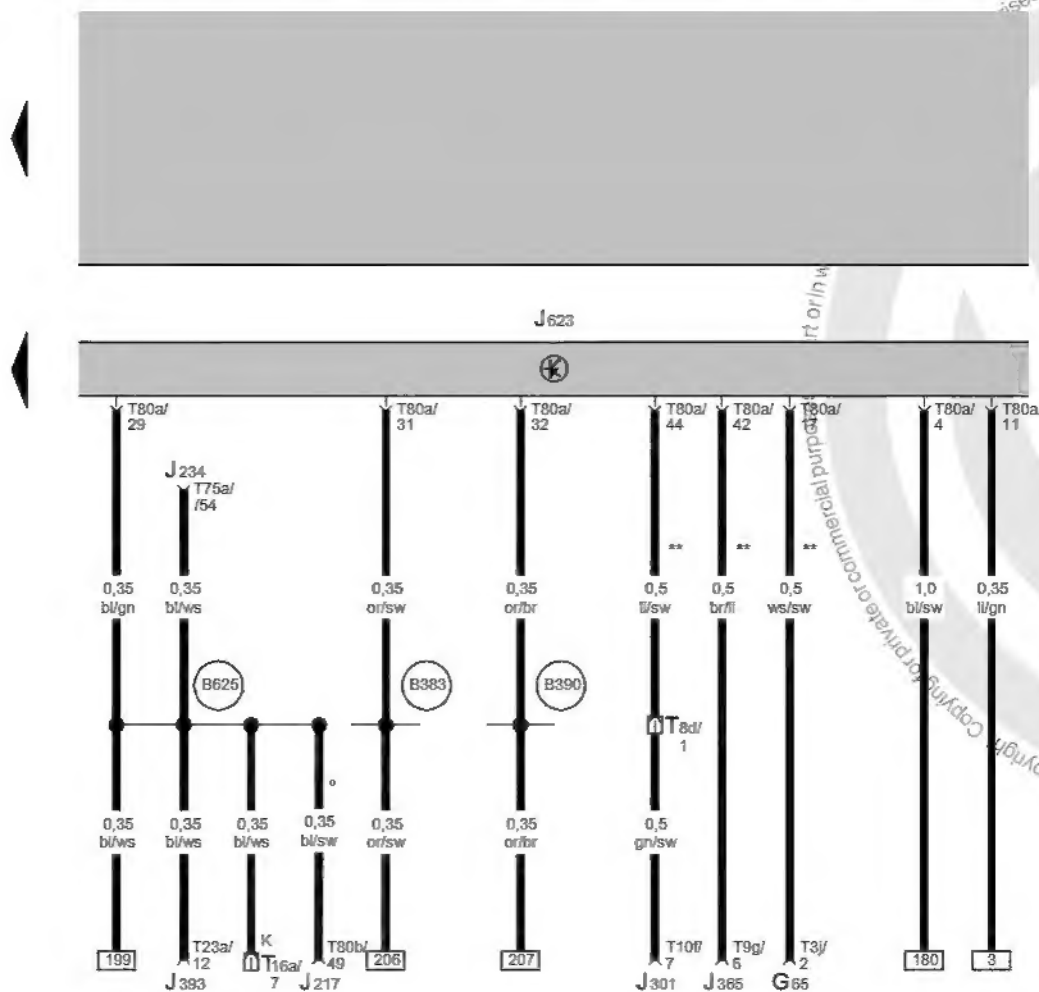


Hall sender Intake air temperature sender Knock sensor 1  
Intake manifold pressure sender Engine control unit

- G40 Hall sender
- G42 Intake air temperature sender
- G61 Knock sensor 1
- G71 Intake manifold pressure sender
- J623 Engine control unit
- T2i Fitting connector 2pin on knock sensor 1
- T3n Fitting connector 3pin on Hall sender
- T4e Fitting connector 4pin on Intake air temperature sender
- T80a Fitting connector 80 poles on engine control unit

- 331 Earth connection in injection system wiring harness
- E57 Positive connection 2 in injection system wiring harness





# Engine control unit

- G65 High pressure sensor
- J217 Automatic transmission control unit
- J234 Airbag control unit
- J301 Air conditioning system control unit
- J365 Air conditioning system switchoff relay
- J393 Central control unit for the convenience system
- J623 Engine control unit
- T3j Fitting connector 3pin on high pressure sensor
- T8d Fitting connector 8pin on behind dash panel centre
- T9g Fitting connector 9pin on Air conditioning system switchoff relay
- T10f Fitting connector 10 poles on Air conditioning system control unit
- T16a Fitting connector 16 poles in diagnosis
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T75a Fitting connector 75 poles on engine control unit
- T80a Fitting connector 80 poles on engine control unit
- T80b Fitting connector 80 poles on automatic transmission control unit

B383 Connection 1 CANbus 'high' command on main harness

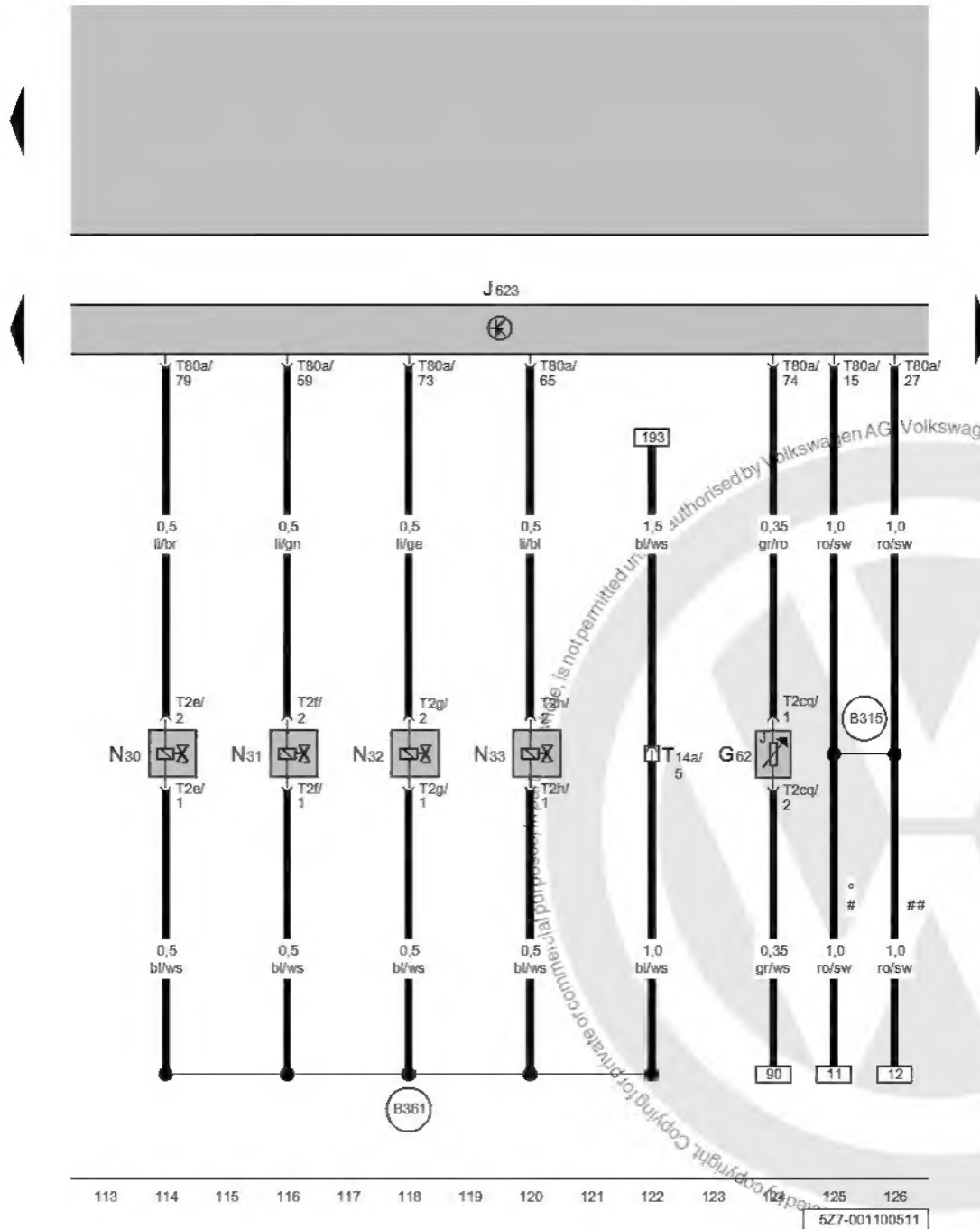
B390 Connection 1 CANbus 'low' command on main harness

B625 Connection diagnostic cable K on main harness

Only for vehicles with air conditioning

Only for vehicles with automatic manual transmission

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Coolant temperature sensor Engine control unit Cylinder 1 injector Cylinder 2 Injector Cylinder 3 Injector Cylinder 4 Injector

- G62 Coolant temperature sender
- J623 Engine control unit
- N30 Injector cylinder 1
- N31 Injector cylinder 2
- N32 Injector cylinder 3
- N33 Injector cylinder 4
- T2e Fitting connector 2pin on Cylinder 1 injector
- T2f Fitting connector 2pin on Cylinder 2 injector
- T2g Fitting connector 2pin on Cylinder 3 injector
- T2h Fitting connector 2pin on Cylinder 4 injector
- T2cq Fitting connector 2pin on coolant temperature sensor
- T14a Fitting connector 14 poles on left engine compartment
- T80a Fitting connector 80 poles on engine control unit

(B315) Positive connection 1 30a on main harness

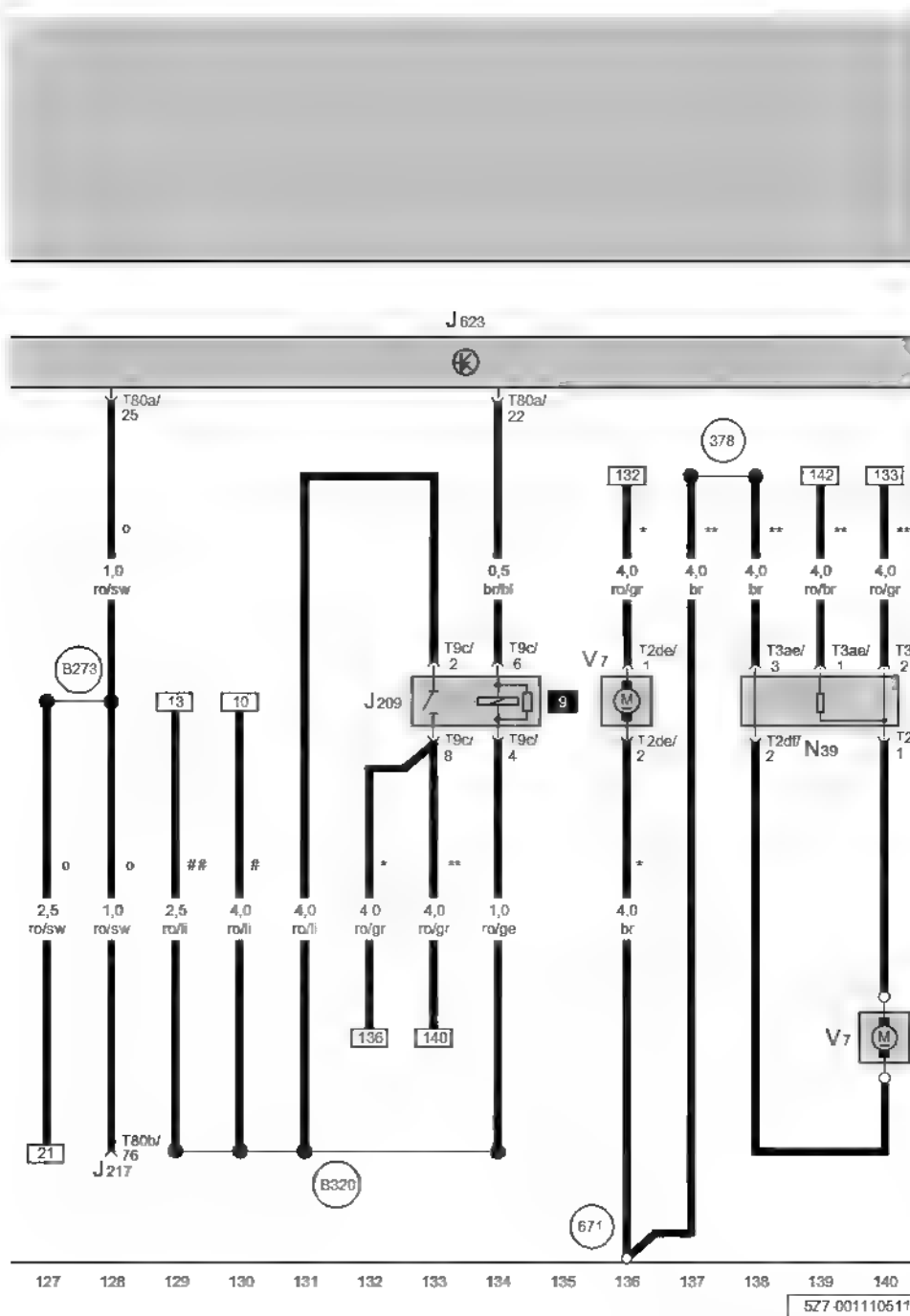
(B361) Positive connection 12 87a on main harness

Until February 2011

From February 2011

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Fresh air blower and radiator fan relay Engine control unit  
Radiator fan series resistor Radiator fan

- J209 Fresh air blower and radiator fan relay
- J217 Automatic transmission control unit
- J623 Engine control unit
- N39 Radiator fan series resistor
- T2de Fitting connector 2pin on radiator fan
- T2df Fitting connector 2pin on radiator fan
- T3ae Fitting connector 3pin on Radiator fan series resistor
- T9c Fitting connector 9pin fresh air blower and radiator fan relay
- T80a Fitting connector 80 poles on engine control unit
- T80b Fitting connector 80 poles on automatic transmission control unit
- V7 Radiator fan

(378) Earth connection 13 in main harness

(671) Earth point 1 on left front longitudinal member

(B320) Positive connection 6 30a on main harness

Only for vehicles with automatic manual transmission  
Only for vehicles without air conditioning  
Only for vehicles with air conditioning  
Until February 2011  
From February 2011

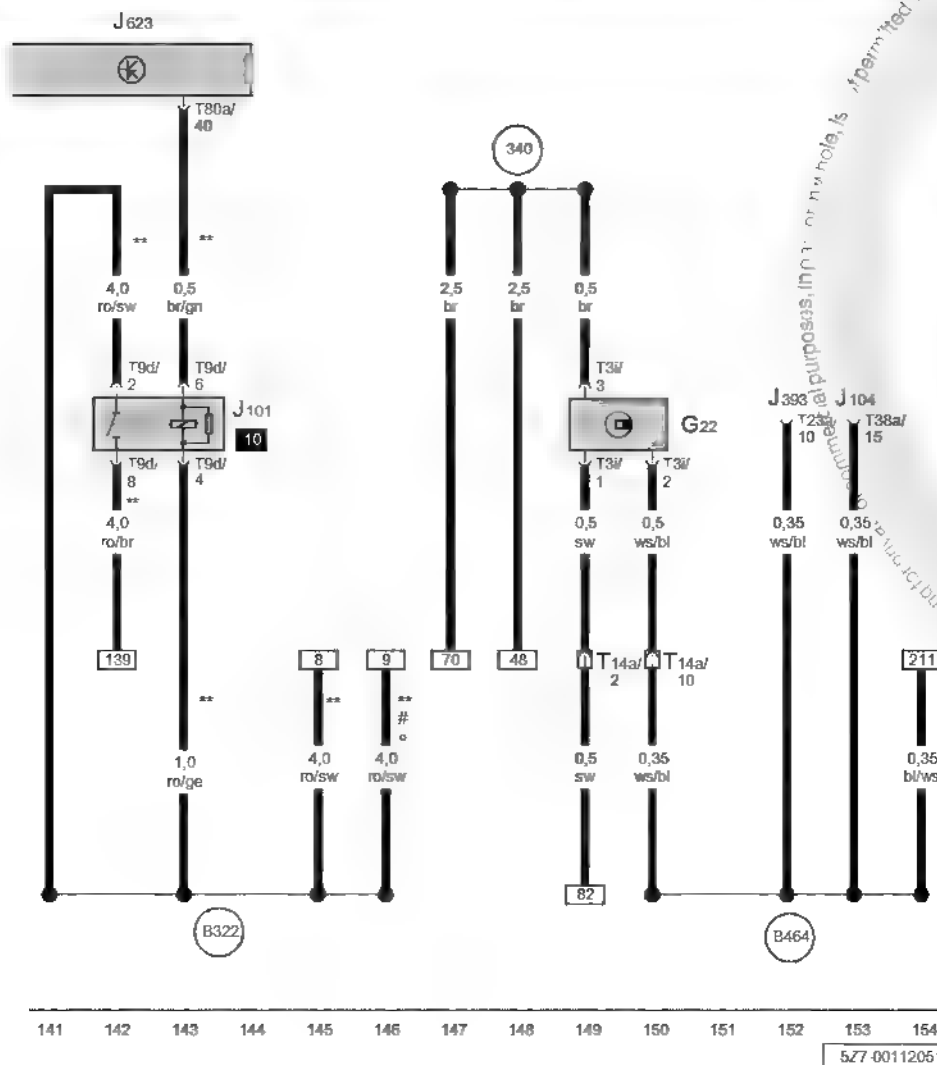
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sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

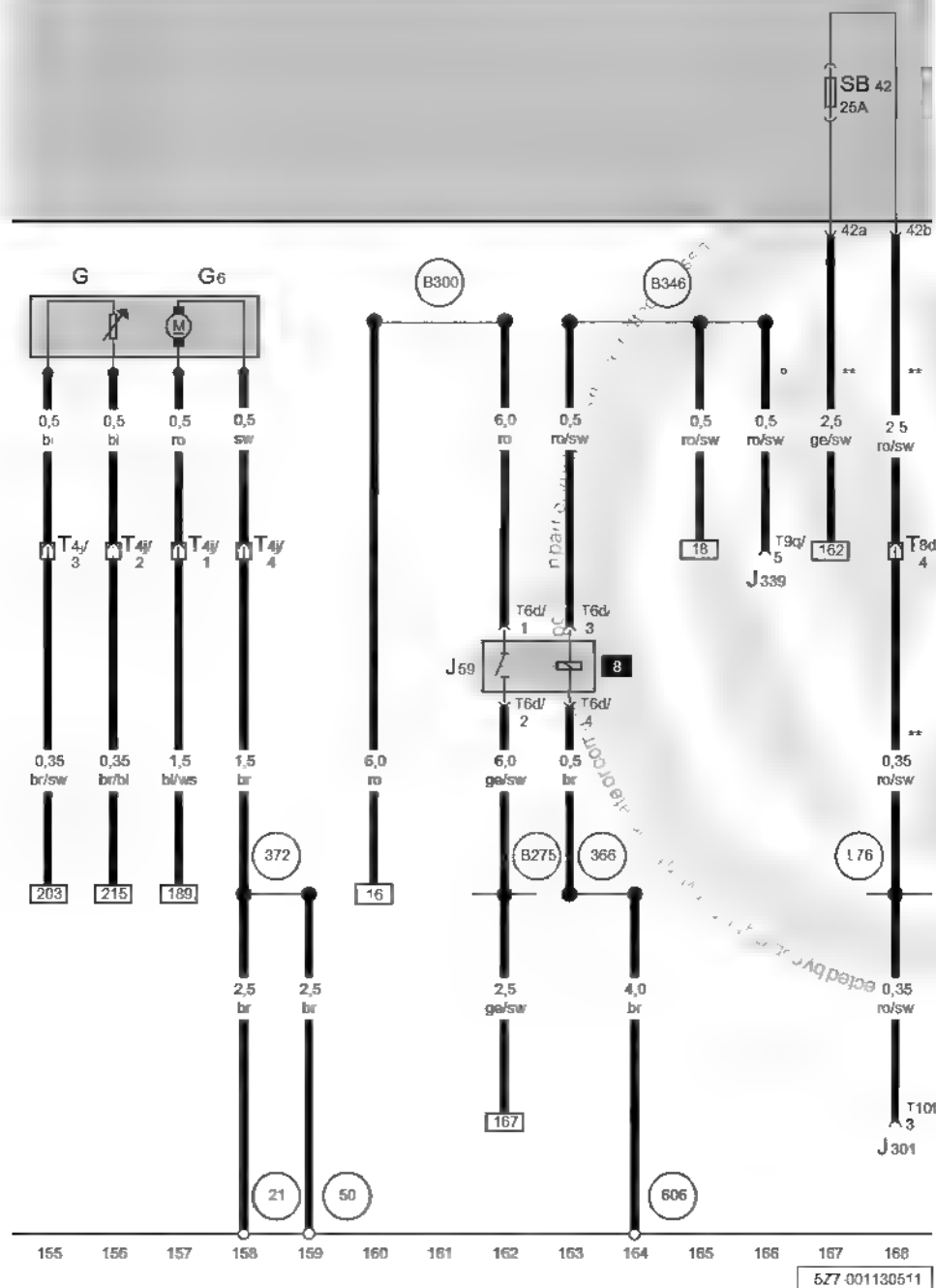
Speed sensor Radiator fan 2nd speed relay Engine control unit

- G22 Speed sensor
- J101 Radiator fan 2nd speed relay
- J104 ABS control unit
- J393 Central control unit for the convenience system
- J623 Engine control unit
- T3i Fitting connector 3pin on speed sensor
- T9d Fitting connector 9pin on Radiator fan 2nd speed relay
- T14a Fitting connector 14 poles on left engine compartment
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T38a Fitting connector 38 poles on ABS control unit
- T80a Fitting connector 80 poles on engine control unit

- 340 Earth connection 2 in injection system wiring harness
- B322 Positive connection 8 30a on main harness
- B464 Connection speed signal on main harness
- L76 Connection 87 on air conditioning wiring harness

Only for vehicles with air conditioning  
Only for vehicles with automatic manual transmission  
Until February 2011





# Fuel gauge sender Fuel pump presupply pump Xcontact relief relay

- G Fuel gauge sender
- G6 Fuel system pressurization pump
- J59 Xcontact relief relay
- J301 Air conditioning system control unit
- J339 X contact relief relay 2
- SB42 Fuse 42 on fuse holder B
- T4j Fitting connector 4pin on Fuel pump presupply pump
- T6d Fitting connector 6pin in Xcontact relief relay
- T8d Fitting connector 8pin on behind dash panel centre
- T9q Fitting connector 9pin in Xcontact relief relay 2
- T10f Fitting connector 10 poles on Air conditioning system control unit

21 Earth point near fuel pump

( 50 ) Earth point on left luggage compartment

( 366 ) Earth connection 1 in main harness

( 372 ) Earth connection 7 in main harness

( 606 ) Earth point under the centre console near the selection lever

B275 Positive connection 87 on main harness

B300 Positive connection 4 30 on main harness

B346 Connection 1 75 on main harness

( L76 ) Connection 87 on air conditioning wiring harness

Only for vehicles with air conditioning

Only for vehicles with automatic manual transmission

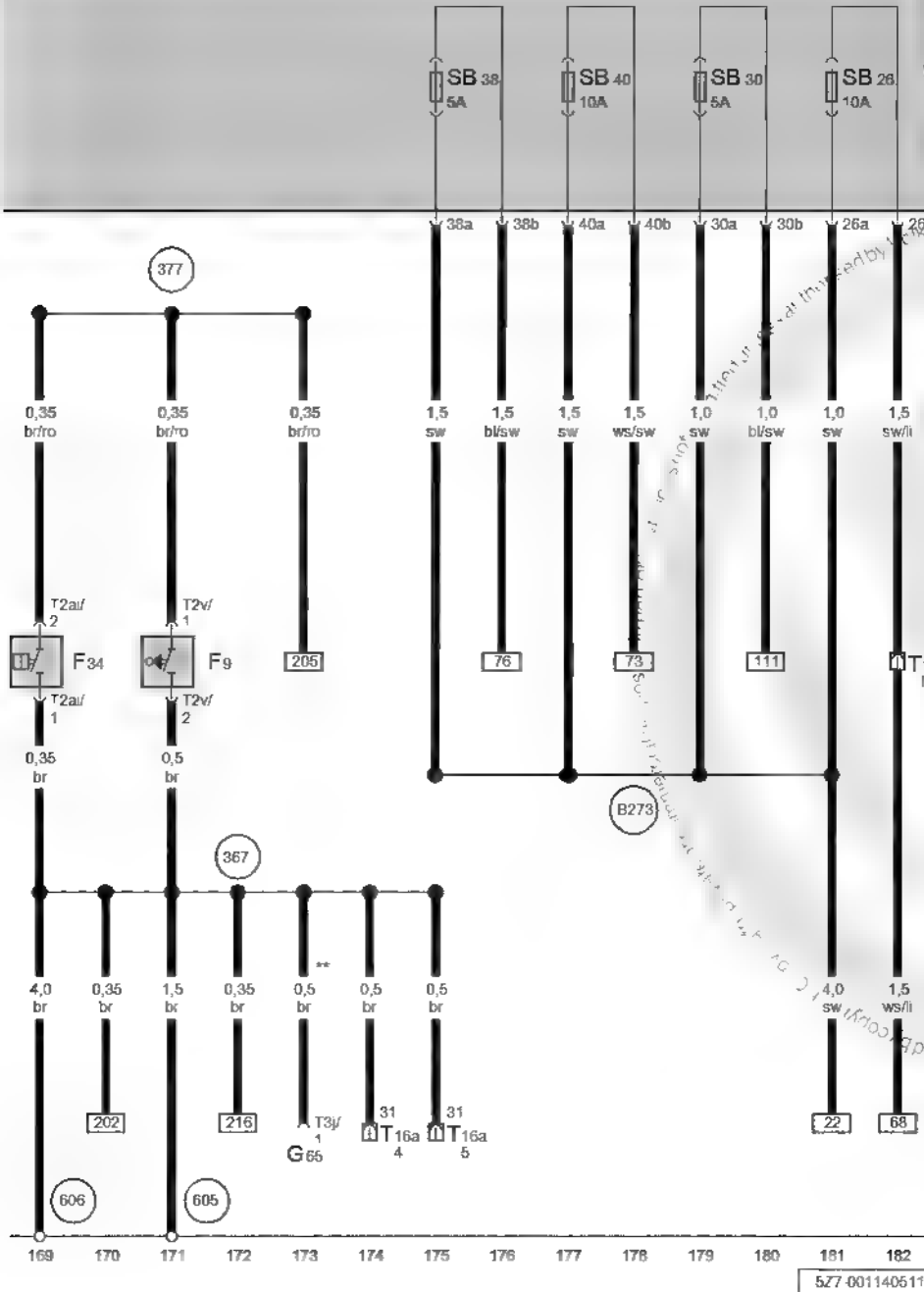
- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink

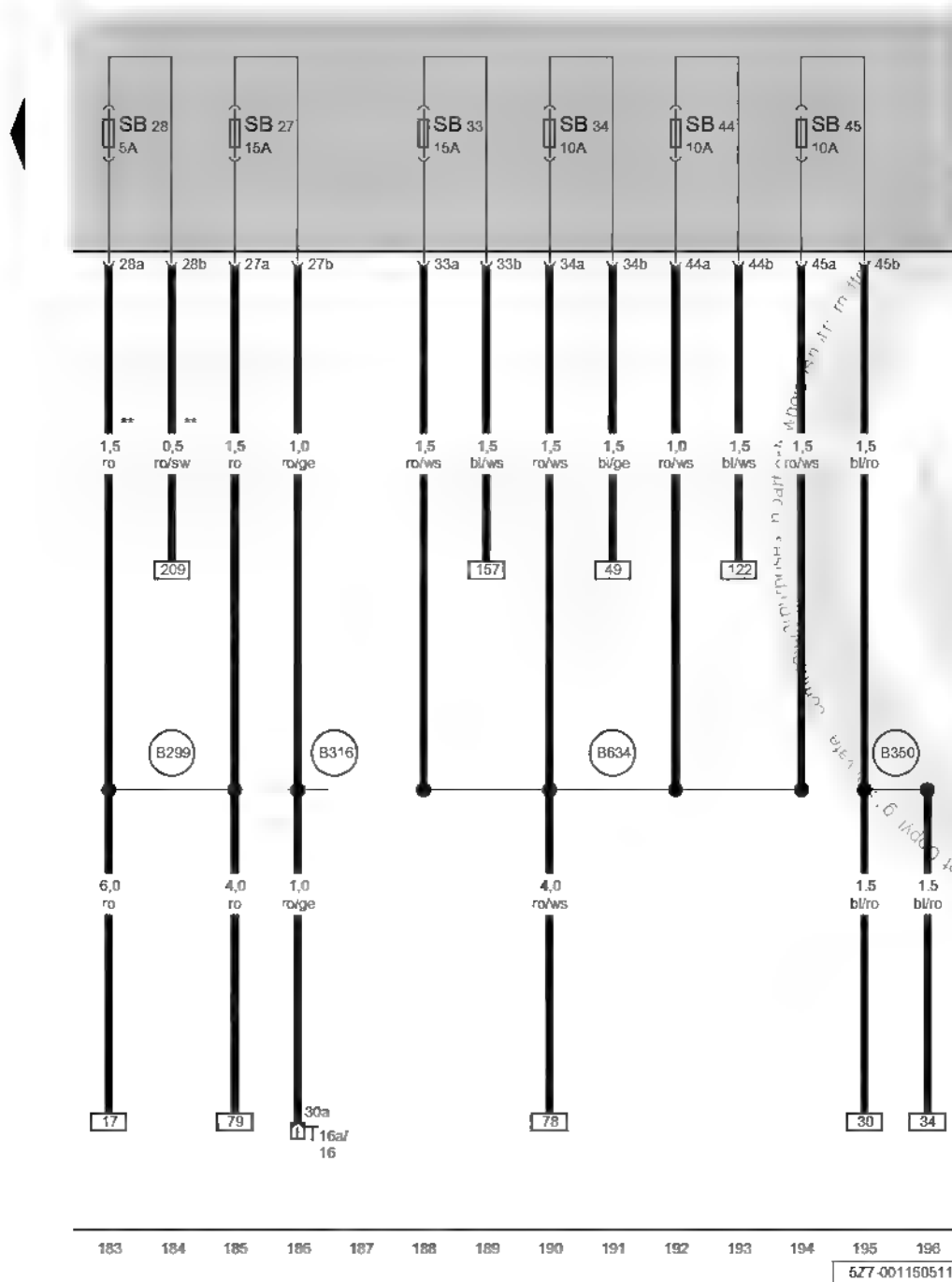
Park brake control switch Brake oil level warning contact

- F9 Handbrake warning switch
- F34 Brake oil level warning contact
- G65 High pressure sensor
- SB26 Fuse 26 on fuse holder B
- SB30 Fuse 30 on fuse holder B
- SB38 Fuse 38 on fuse holder B
- SB40 Fuse 40 on fuse holder B
- T2v Fitting connector 2pin on Park brake control switch
- T2ai Fitting connector 2pin on Brake oil level warning contact
- T3 Fitting connector 3pin on high pressure sensor
- T14a 14pin connector in engine compartment left
- T16a Fitting connector 16 poles in diagnosis

- 367 Earth connection 2 in main harness
- 377 Earth connection 12 in main harness
- 605 Earth point in upper steering column area
- 606 Earth point under the centre console near the selection lever
- B273 Positive connection 15 on main harness
- Only for vehicles with air conditioning

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

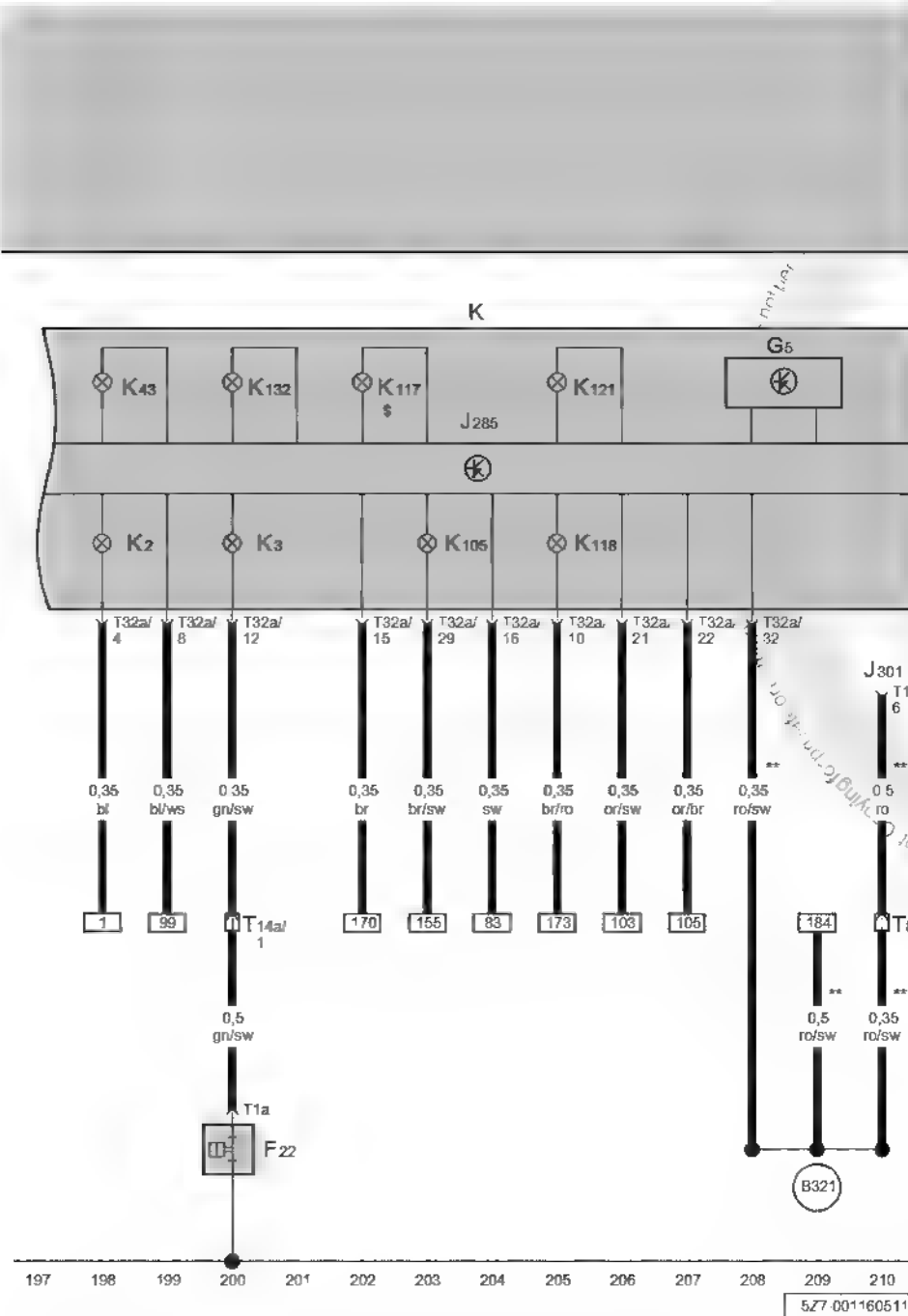




# Fuses

- SB27 Fuse 27 on fuse holder B
  - SB28 Fuse 28 of fuse holder B
  - SB33 Fuse 33 of fuse holder B
  - SB34 Fuse 34 of fuse holder B
  - SB44 Fuse 44 of fuse holder B
  - SB45 Fuse 45 of fuse holder B
  - T16a Fitting connector 16 poles in diagnosis
  - B299 Positive connection 3 30 on main harness
  - B316 Positive connection 2 30 on main harness
  - B350 Positive connection 1 87a on main harness
  - B634 Positive connection 2 87 on main harness
- Only for vehicles with air conditioning

ws white  
sw black  
ro red  
br brown  
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gr grey  
li purple  
ge yellow  
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Oil pressure switch Tachometer Combined instrument  
Alternator control light Oil pressure control light Fuel  
reserve control light

- F22 Oil pressure switch
- G5 Tachometer
- J285 Control unit w indicator on the combined instrument
- J301 Air conditioning system control unit
- K Combined instrument
- K2 Alternator control light
- K3 Oil pressure control light
- K43 Coolant temperature control light
- K105 Fuel reserve control light
- K117 Immobilizer control light
- K118 Brake system control light
- K121 Malfunction warning lamp
- K132 'Egas' system failure indicator light
- T1a Fitting connector single on oil pressure switch
- T8d Fitting connector 8pin on behind dash panel centre
- T10f Fitting connector 10 poles on Air conditioning system control unit
- T14a Fitting connector 14 poles on left engine compartment
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

B321 Positive connection / 30a on main harness

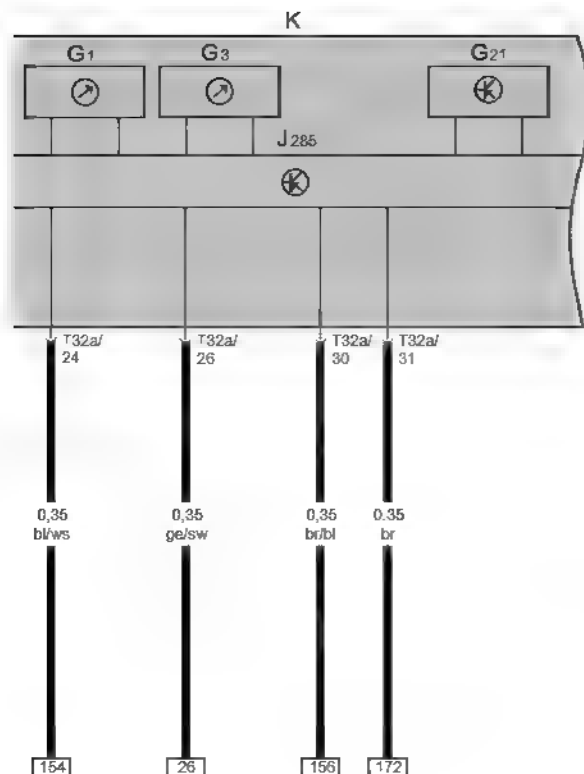
Only for vehicles with air conditioning  
Until December 2010

- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink



Fuel level indicator Coolant temperature indicator Speedometer  
Control unit w indicator on the combined instrument Combined  
instrument

- G1 Fuel level indicator
- G3 Coolant temperature indicator
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument



211 212 213 214 215 216 217 218 219 220 221 222 223 224

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ws white  
sw black  
ro red  
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gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

● **16 | ME 7530 74 KW CFZA engine identification code CFZA**

From March 2010

**Notes**

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

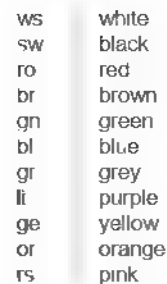
➤ See fitting locations

For information about

◆ Assisted fault pinpointing

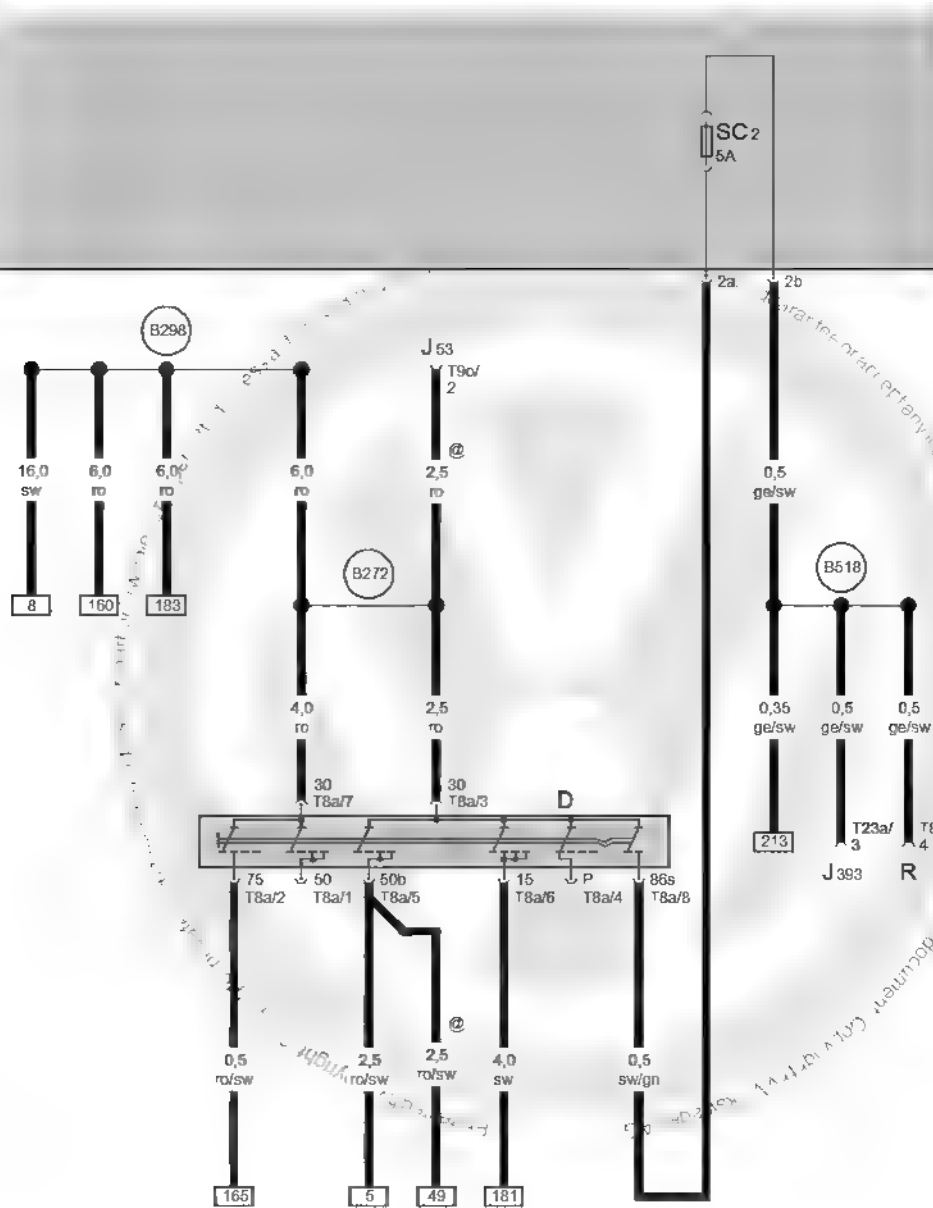
➤ See Guided functions





A	Battery
B	Starter
C	Generator Alternator
C1	Voltage regulator
S162	Fuse 1 30 in battery fuse holder
S163	Fuse 2 30 in battery fuse holder
S164	Fuse 3 30 in battery fuse holder
S177	Fuse 5 30 in battery fuse holder
S180	Fuse 8 30 in battery fuse holder
S267	Fuse 9 30 in battery fuse holder
S268	Fuse 10 30 in battery fuse holder
T1j	Fitting connector single on starter
T2ak	Fitting connector 2pin on engine compartment
T2ar	Fitting connector 2pin on generator Alternator

- Only for vehicles with air conditioning  
Only for vehicles with automatic manual transmission  
Until February 2011  
From February 2011



### Ignition switch

- D Ignition switch
- J53 Starter motor relay
- J393 Central control unit for the convenience system
- R Radio
- SC2 Fuse 2 on fuse holder C
- T8a Fitting connector 8pin on ignition switch
- T8f Fitting connector 8pin on radio
- T9o Fitting connector 9pin on starter relay
- T23a Fitting connector 23 poles on central control unit for the convenience system

B272 Positive connection 30 on main harness

B298 Positive connection 2 30 on main harness

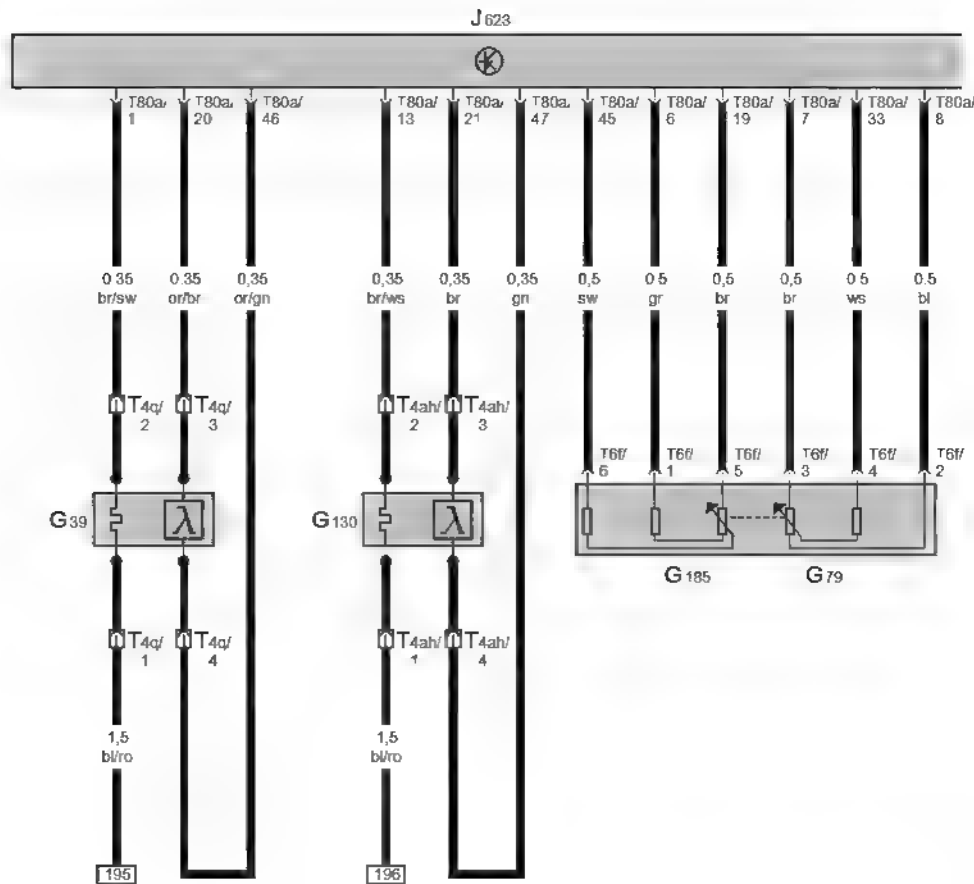
B518 Connection 86s on main harness

Only for vehicles with automatic manual transmission

ws white  
sw black  
ro red  
br brown  
gn green  
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ge yellow  
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rs pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

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Lambda probe Throttle pedal position sensor Lambda probe  
after catalytic converter Throttle pedal position sensor 2  
Engine control unit

- G39 Lambda probe
- G79 Accelerator position sender
- G130 Lambda probe after catalytic converter
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4q Fitting connector 4pin on Lambda probe
- T4ah Fitting connector 4pin on Lambda probe after catalytic converter
- T6f Fitting connector 6pin on Throttle pedal position sensor
- T80a Fitting connector 80 poles on engine control unit

External temperature sensor Radiator fan 2nd speed relay  
Engine control unit Magnetic valve 1 for activated charcoal  
container

- G17 Ambient temperature sensor
- J101 Radiator fan 2nd speed relay
- J217 Automatic transmission control unit
- J623 Engine control unit
- J879 Control unit for interactive system
- N80 Activated charcoal filter solenoid valve 1
- T2ae Fitting connector 2pin on Magnetic valve 1 for activated charcoal container
- T2dv Fitting connector 2pin on external temperature sensor
- T9d Fitting connector 9pin on Radiator fan 2nd speed relay
- T10d Fitting connector 10 poles on control unit for interactive system
- T14a Fitting connector 14 poles on left engine compartment
- T80a Fitting connector 80 poles on engine control unit
- T80b Fitting connector 80 poles on automatic transmission control unit

12 Earth point in engine compartment left

379 Earth connection 14 in main harness

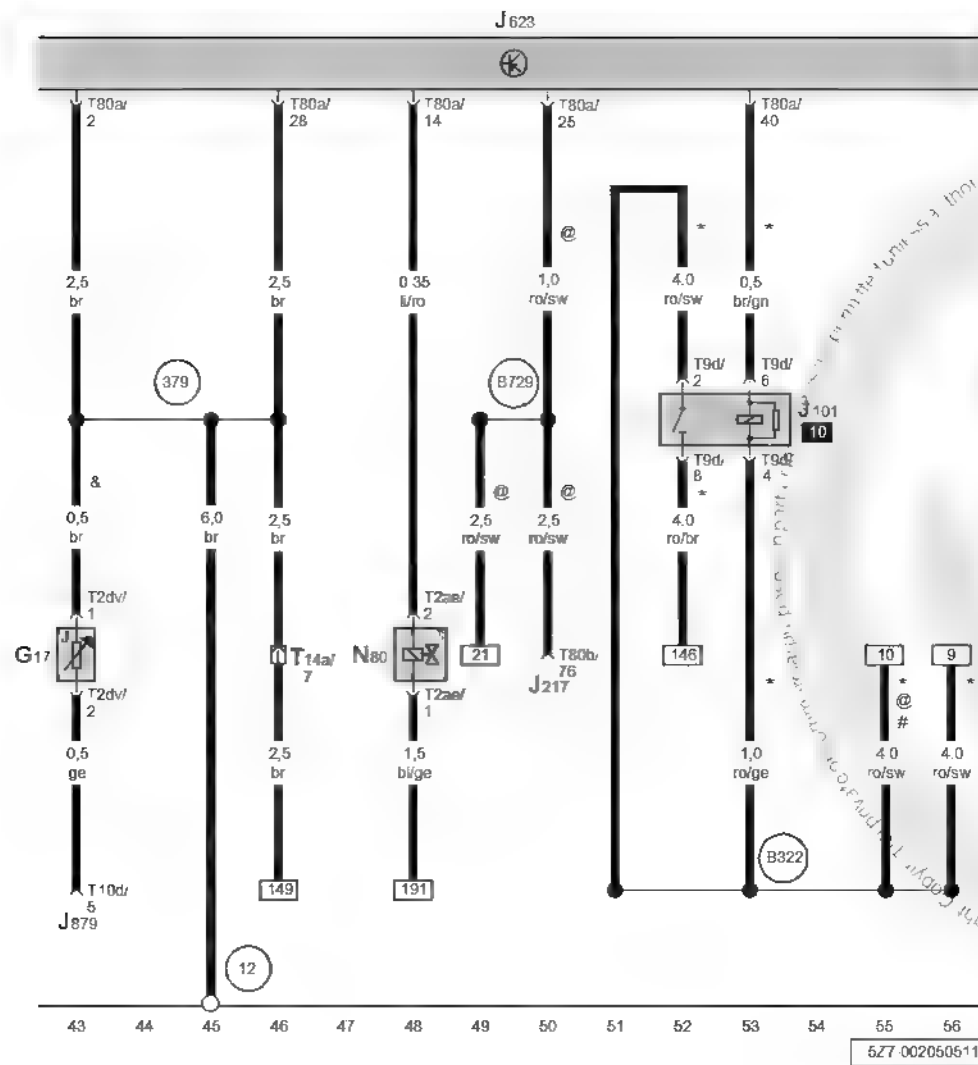
B322 Positive connection 8 30a on main harness

B729 Connection 1 50 on main harness

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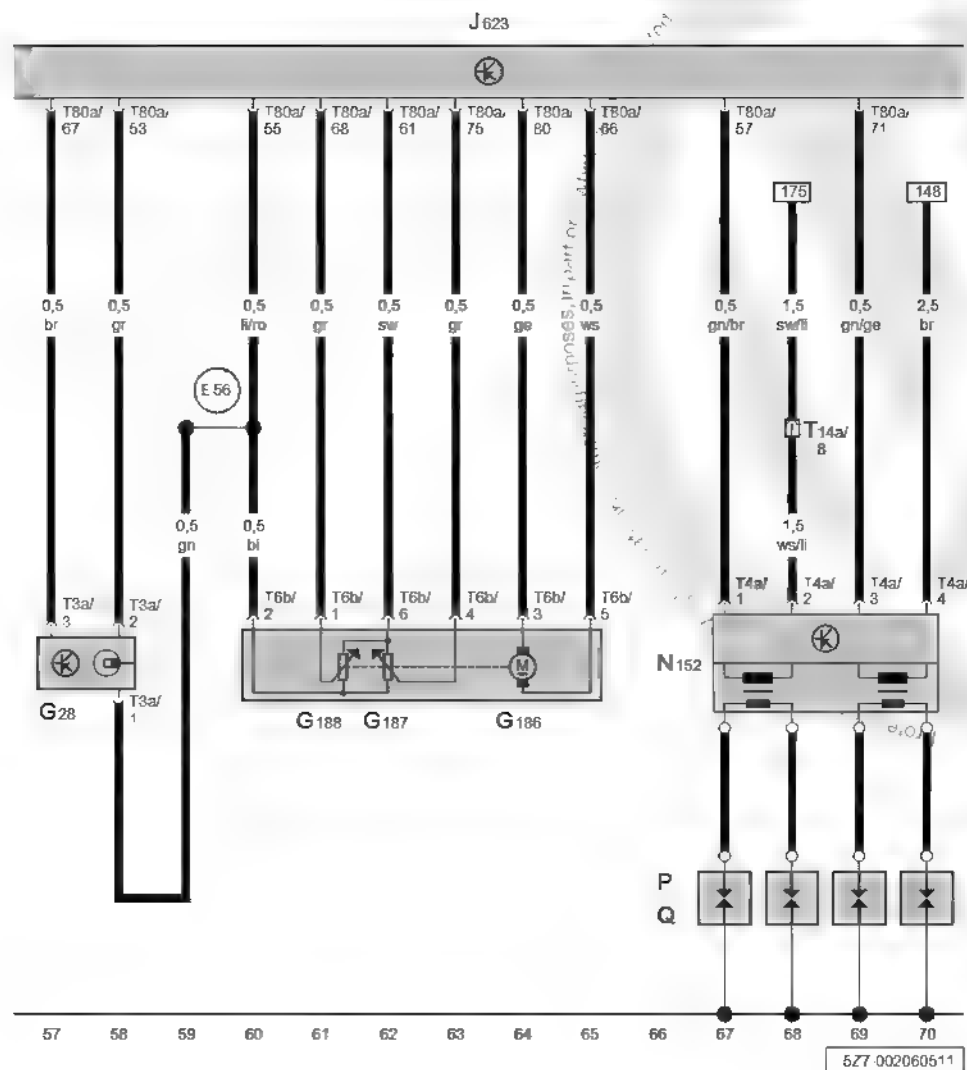
& Only for vehicles with interactive system  
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- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink

Engine speed sender Accelerator throttle valve control  
'Egas' EPC Throttle valve drive angle sender 1 for electric  
throttle 'Egas' EPC Engine control unit Ignition transformer  
Plugs

- G28 Engine speed sender
- G186 Throttle valve drive for electric throttle 'Egas' EPC
- G187 Throttle valve drive angle sender 1 for electric throttle 'Egas' EPC
- G188 Throttle valve drive angle sender 2 for electric throttle 'Egas' EPC
- J623 Engine control unit
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T3a Fitting connector 3pin on Engine speed sender
- T4a Fitting connector 4pin on ignition transformer
- T6b Fitting connector 6pin on Throttle valve drive for electric throttle 'Egas' EPC
- T14a Fitting connector 14 poles on left engine compartment
- T80a Fitting connector 80 poles on engine control unit
- E56 Positive connection 1 in injection system wiring harness



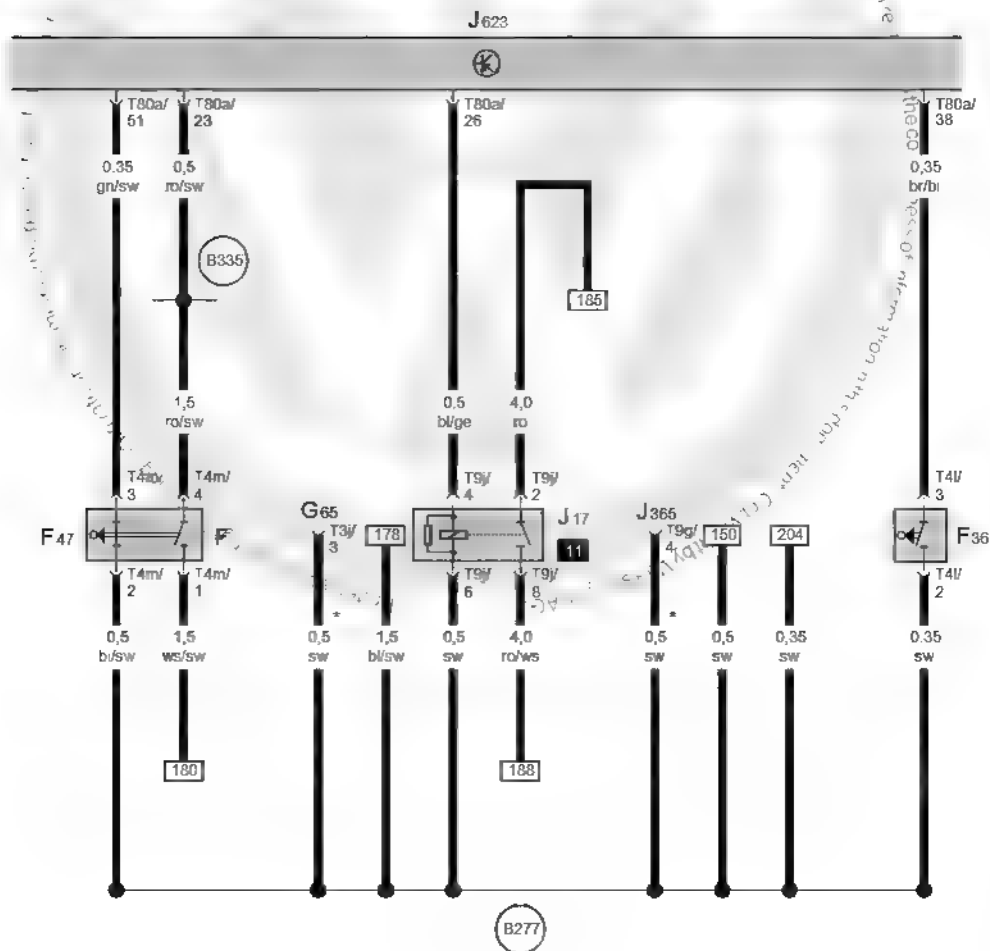
Brake light switch Clutch pedal switch Brake pedal switch  
Fuel pump relay Engine control unit

- F Brake light switch
- F36 Clutch pedal switch
- F47 Brake pedal switch
- G65 High pressure sensor
- J17 Fuel pump relay
- J365 Air conditioning system switchoff relay
- J623 Engine control unit
- T3j Fitting connector 3pin on high pressure sensor
- T4l Fitting connector 4pin on clutch pedal switch
- T4m Fitting connector 4pin on brake pedal switch
- T9g Fitting connector 9pin on Air conditioning system switchoff relay
- T9j Fitting connector 9pin on Fuel pump relay
- T80a Fitting connector 80 poles on engine control unit

B277 Positive connection 1 15a on main harness

B335 Connection 1 54 on main harness

Only for vehicles with air conditioning



ws white  
sw black  
ro red  
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gr grey  
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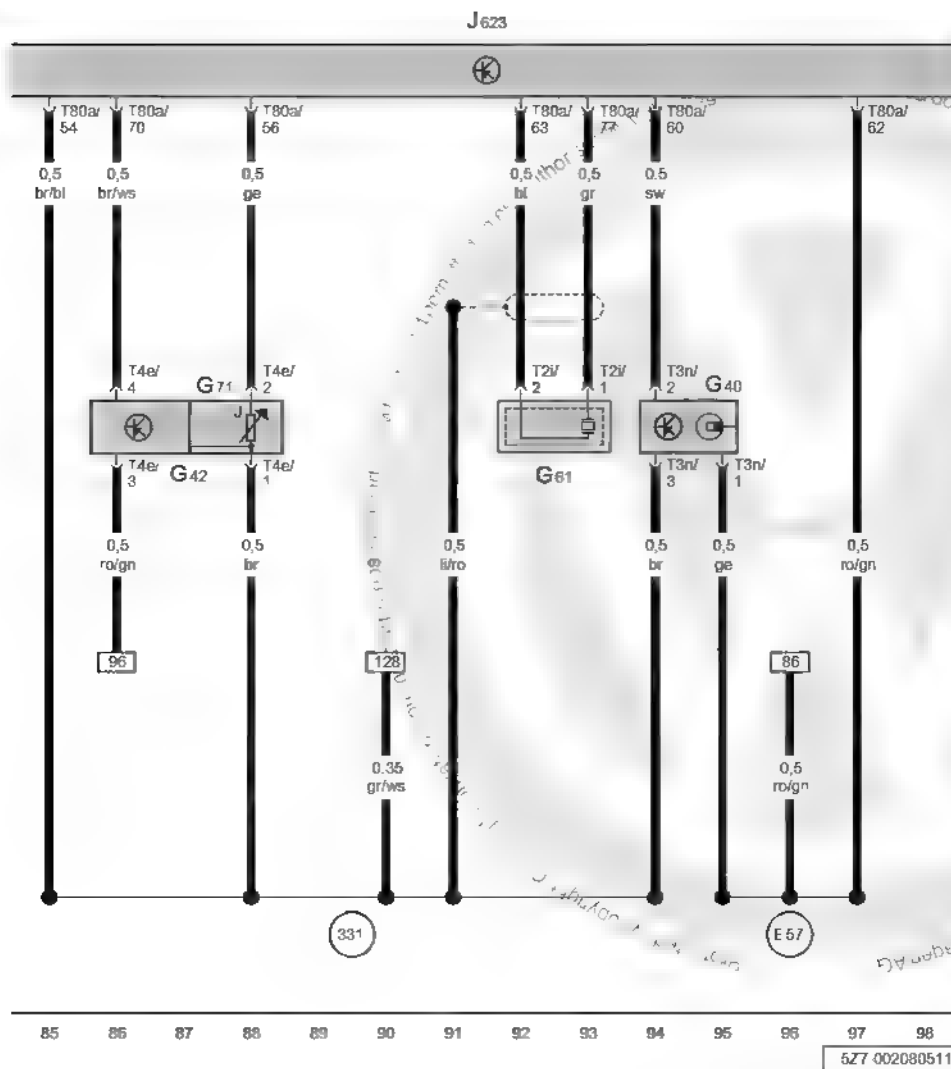
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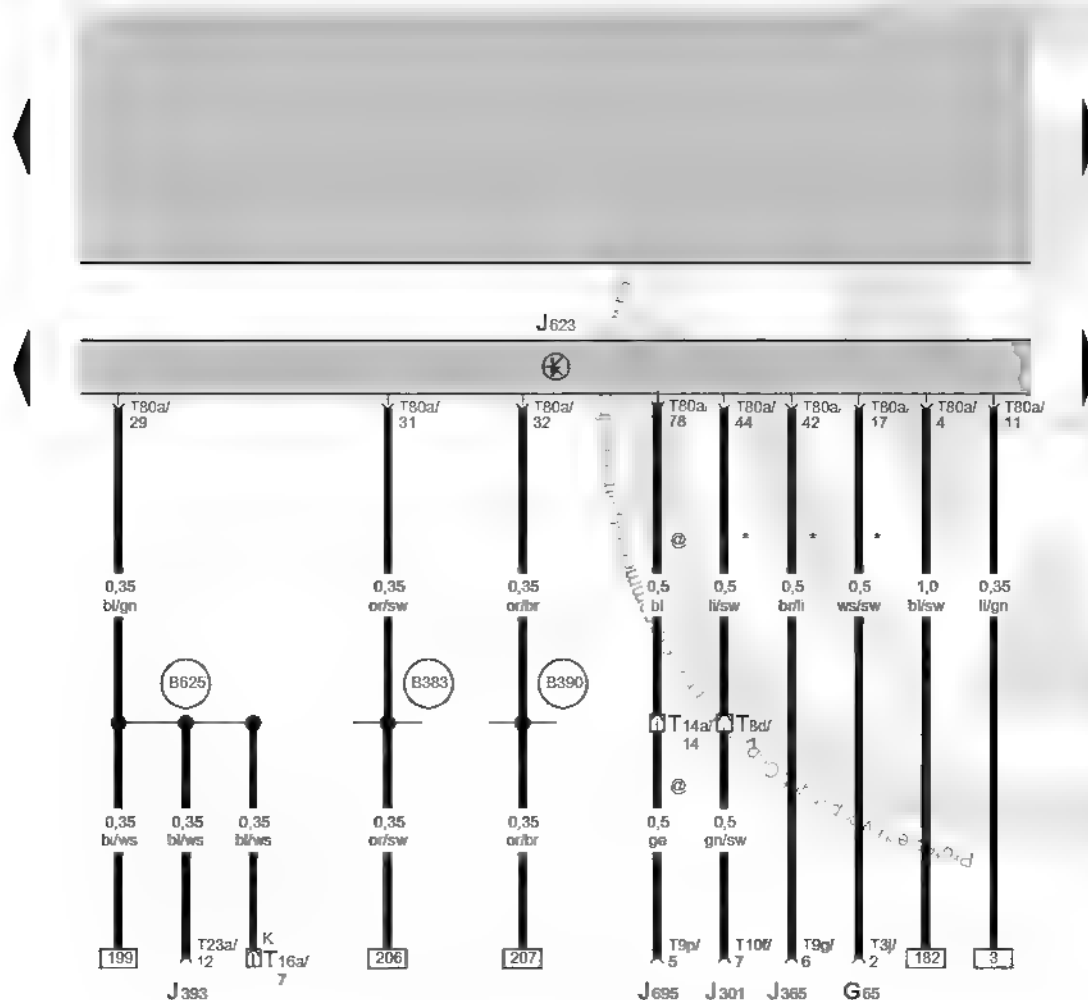


Hall sender Intake air temperature sender Knock sensor 1  
Intake manifold pressure sender Engine control unit

- G40 Hall sender
- G42 Intake air temperature sender
- G61 Knock sensor 1
- G71 Intake manifold pressure sender
- J623 Engine control unit
- T2i Fitting connector 2pin on knock sensor 1
- T3n Fitting connector 3pin on Hall sender
- T4e Fitting connector 4pin on Intake air temperature sender
- T80a Fitting connector 80 poles on engine control unit

- 331 Earth connection in injection system wiring harness
- E57 Positive connection 2 in injection system wiring harness

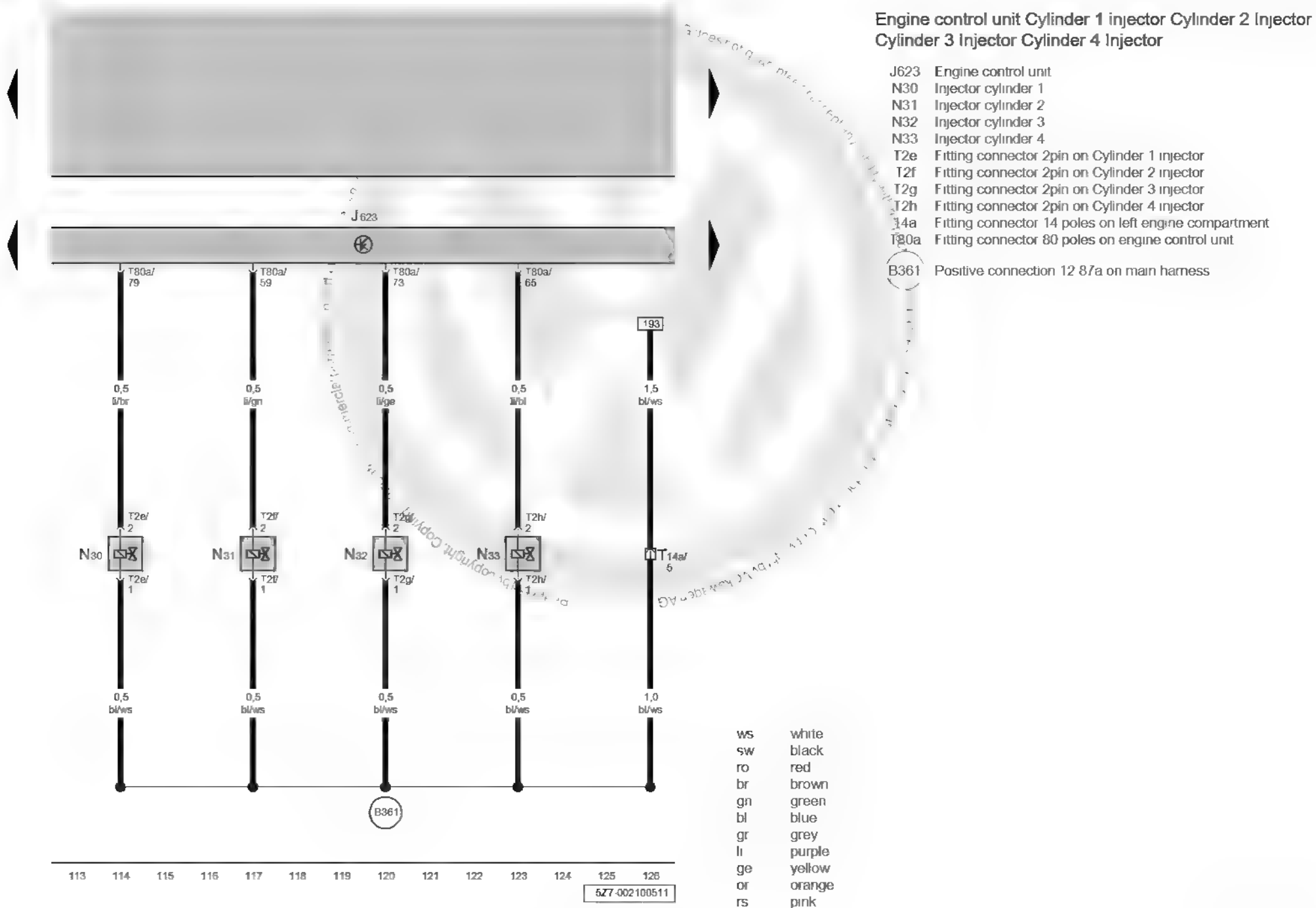




# Engine control unit

- G65 High pressure sensor
  - J301 Air conditioning system control unit
  - J365 Air conditioning system switchoff relay
  - J393 Central control unit for the convenience system
  - J623 Engine control unit
  - J695 Starter motor relay 2
  - T3j Fitting connector 3pin on high pressure sensor
  - T8d Fitting connector 8pin on behind dash panel centre
  - T9g Fitting connector 9pin on Air conditioning system switchoff relay
  - T9p Fitting connector 9pin on starter relay 2
  - T10f Fitting connector 10 poles on Air conditioning system control unit
  - T14a Fitting connector 14 poles on left engine compartment
  - T16a Fitting connector 16 poles in diagnosis
  - T23a Fitting connector 23 poles on central control unit for the convenience system
  - T80a Fitting connector 80 poles on engine control unit
  - B383 Connection 1 CANbus 'high' command on main harness
  - B390 Connection 1 CANbus 'low' command on main harness
  - B625 Connection diagnostic cable K on main harness
- Only for vehicles with air conditioning  
Only for vehicles with automatic manual transmission

ws white  
sw black  
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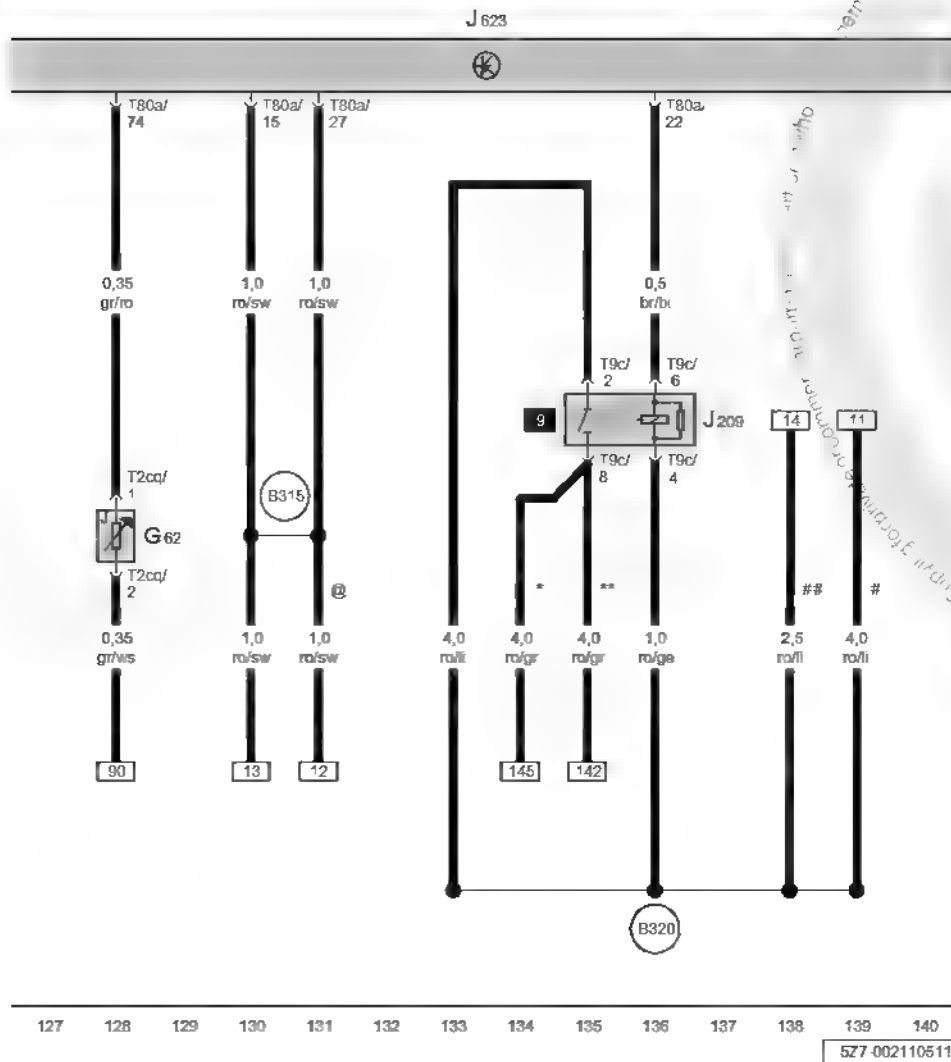
Cooling fluid temperature sensor Fresh air blower and radiator fan relay Engine control unit

- G62 Coolant temperature sender
- J209 Fresh air blower and radiator fan relay
- J623 Engine control unit
- T2cq Fitting connector 2pin on coolant temperature sensor
- T9c Fitting connector 9pin fresh air blower and radiator fan relay
- T80a Fitting connector 80 poles on engine control unit

B315 Positive connection 1 30a on main harness

B320 Positive connection 6 30a on main harness

Only for vehicles with air conditioning  
 Only for vehicles without air conditioning  
 Only for vehicles with automatic manual transmission  
 Until February 2011  
 From February 2011



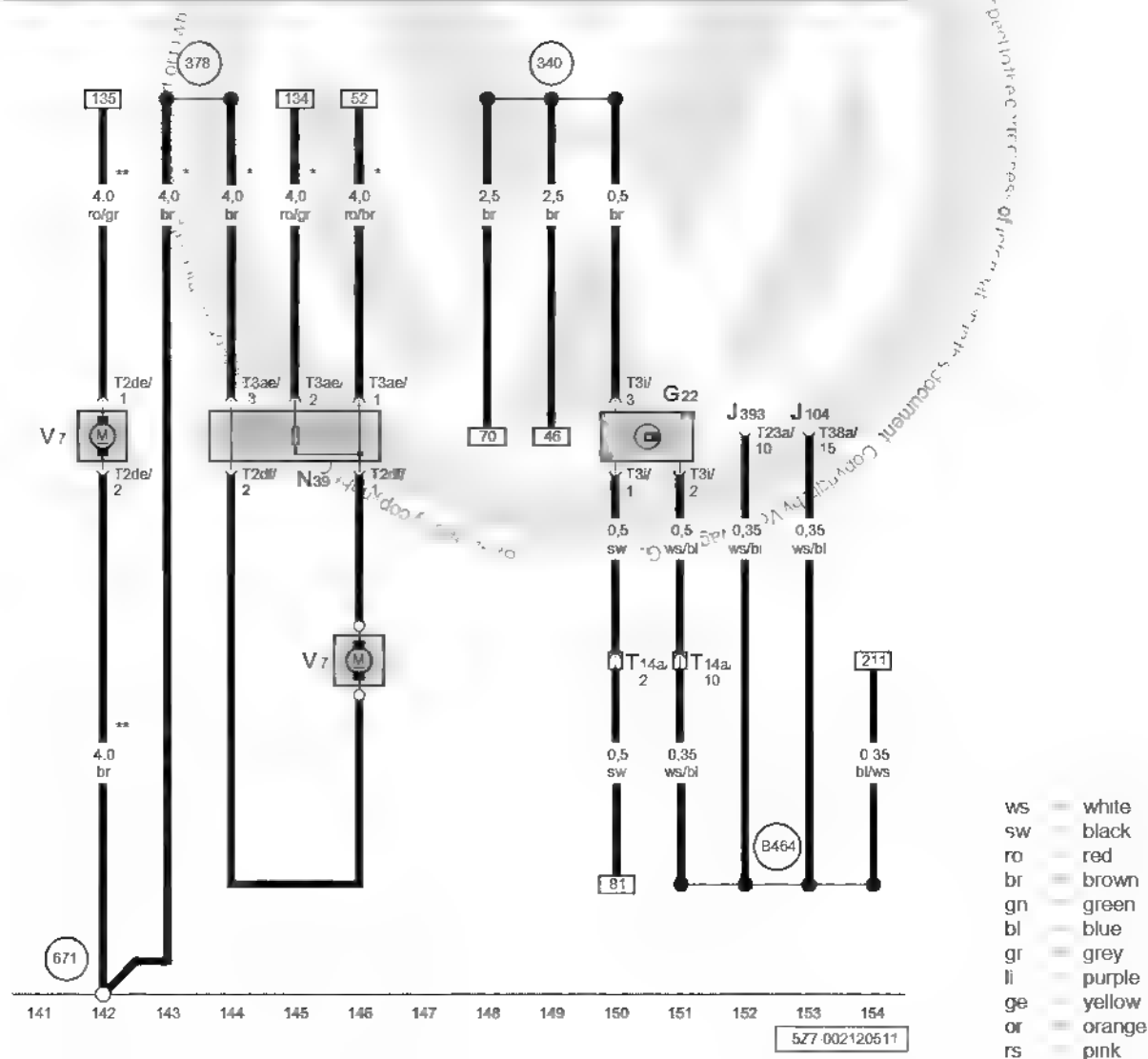
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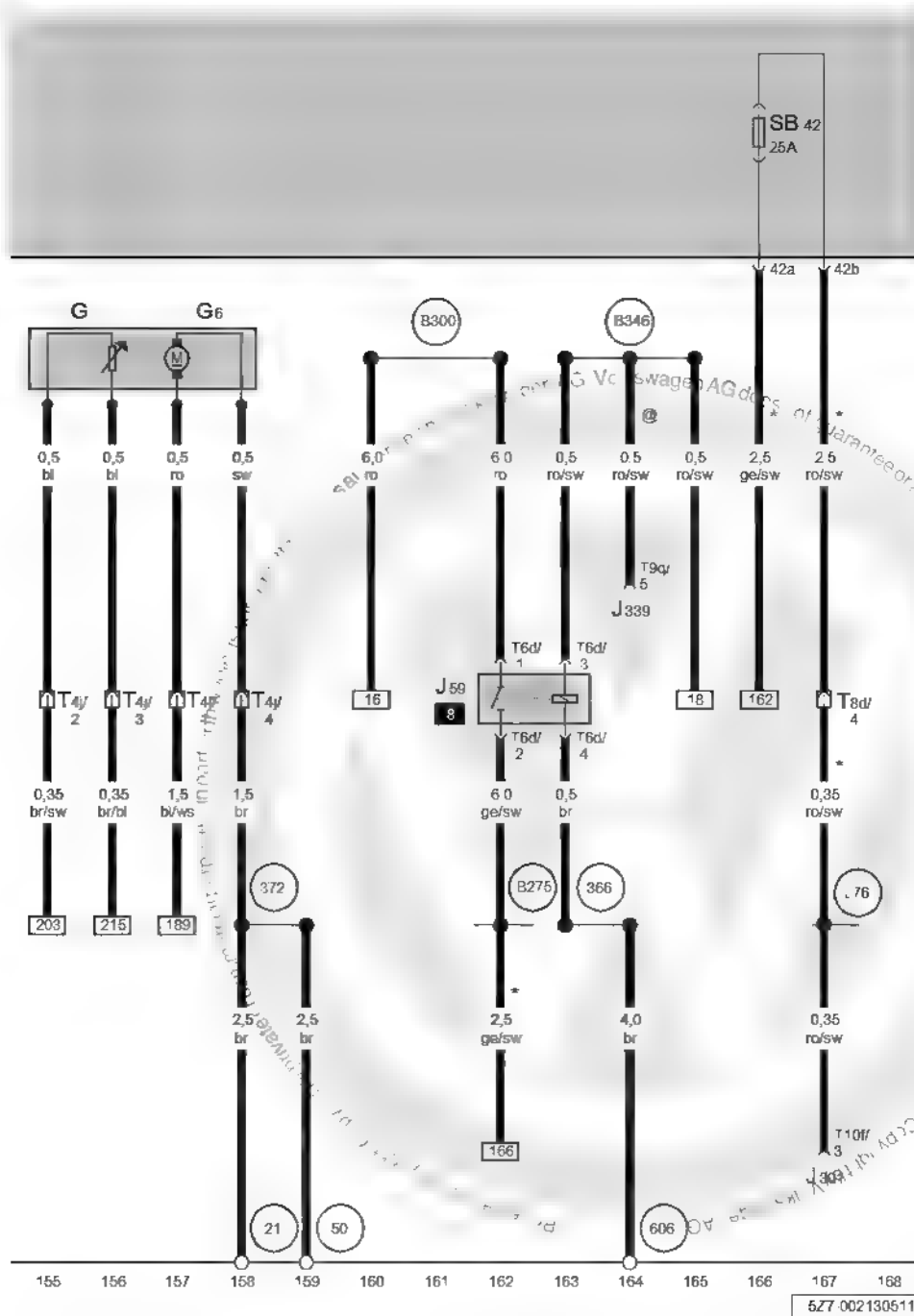
Speed sensor Radiator fan series resistor Radiator fan

- G22 Speed sensor
- J104 ABS control unit
- J393 Central control unit for the convenience system
- N39 Radiator fan series resistor
- T2de Fitting connector 2pin on radiator fan
- T2df Fitting connector 2pin on Radiator fan series resistor
- T3i Fitting connector 3pin on speed sensor
- T3ae Fitting connector 3pin on Radiator fan series resistor
- T14a Fitting connector 14 poles on left engine compartment
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T38a Fitting connector 38 poles on ABS control unit
- V7 Radiator fan

- 340 Earth connection 2 in injection system wiring harness
- 378 Earth connection 13 in main harness
- 671 Earth point 1 on left front longitudinal member
- B464 Connection speed signal on main harness

Only for vehicles with air conditioning  
Only for vehicles without air conditioning





Fuel gauge sender Fuel pump presupply pump Xcontact relief relay

- G Fuel gauge sender
- G6 Fuel system pressurization pump
- J59 Xcontact relief relay
- J301 Air conditioning system control unit
- J339 X contact relief relay 2
- SB42 Fuse 42 on fuse holder B
- T4j Fitting connector 4pin on Fuel pump presupply pump
- T6d Fitting connector 6pin in Xcontact relief relay
- T8d Fitting connector 8pin behind instrument panel centre
- T9q Fitting connector 9pin in Xcontact relief relay 2
- T10f Fitting connector 10 poles on Air conditioning system control unit

- 21 Earth point near fuel pump
- 50 Earth point on left luggage compartment
- 366 Earth connection 1 in main harness
- 372 Earth connection 7 in main harness
- 606 Earth point under the centre console near the selection lever
- B275 Positive connection 87 on main harness
- B300 Positive connection 4 30 on main harness
- B346 Connection 1 75 on main harness
- L76 Connection 87 on air conditioning wiring harness

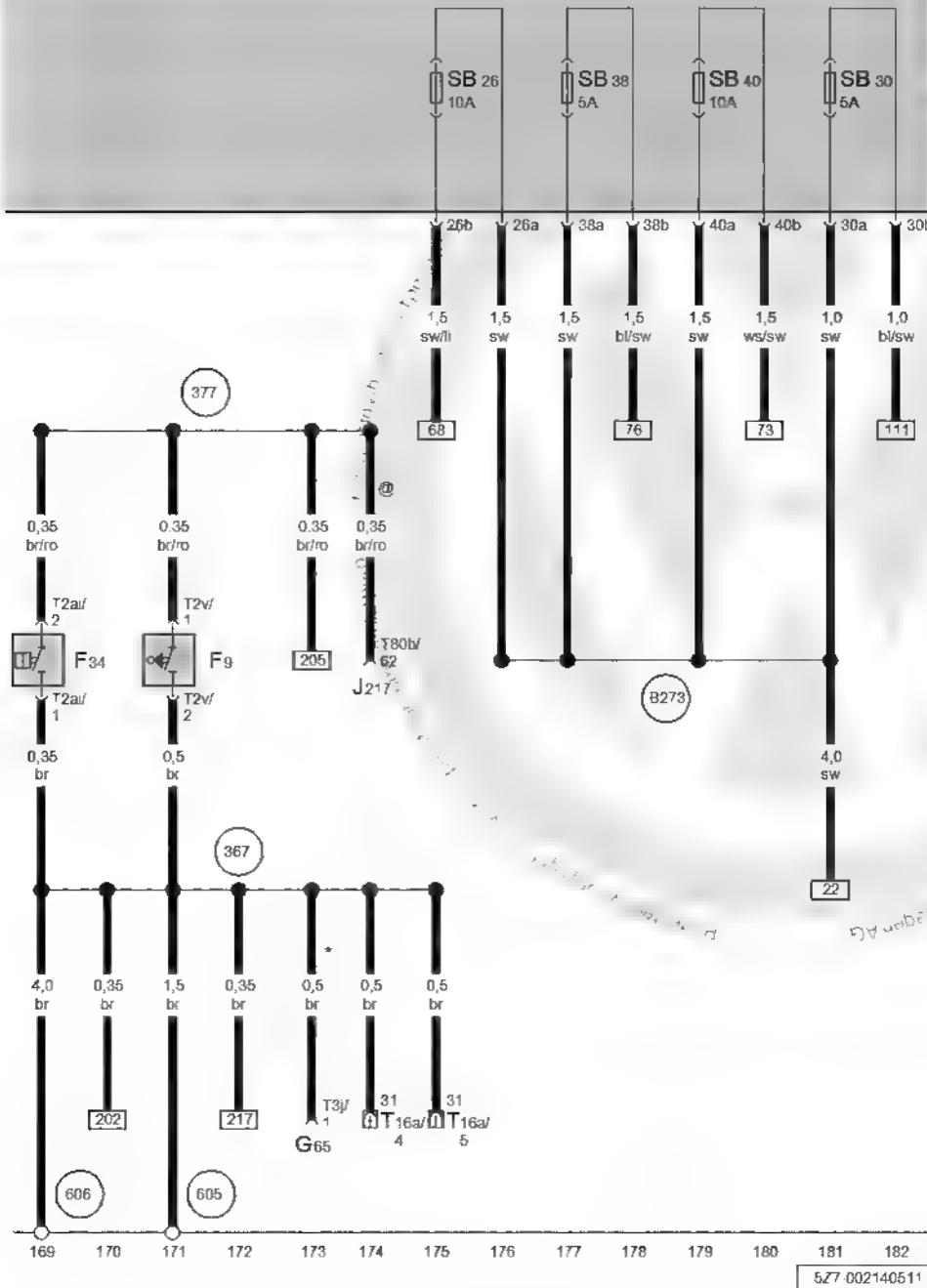
Only for vehicles with air conditioning  
Only for vehicles with automatic manual transmission

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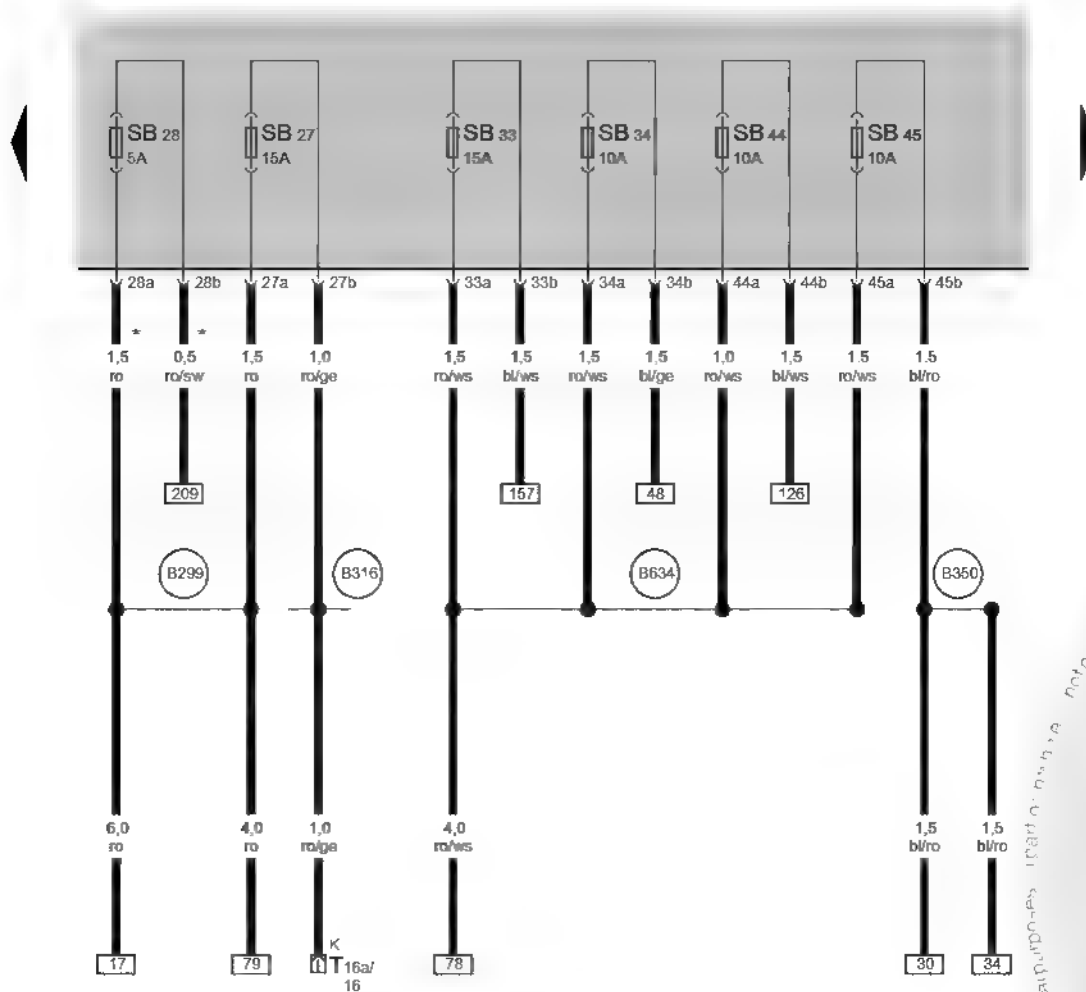
Park brake control switch Brake oil level warning contact

- F9 Handbrake warning switch
- F34 Brake oil level warning contact
- G65 High pressure sensor
- J217 Automatic transmission control unit
- SB26 Fuse 26 on fuse holder B
- SB30 Fuse 30 on fuse holder B
- SB38 Fuse 38 on fuse holder B
- SB40 Fuse 40 on fuse holder B
- T2v Fitting connector 2pin on Park brake control switch
- T2ai Fitting connector 2pin on Brake oil level warning contact
- T3j Fitting connector 3pin on high pressure sensor
- T16a Fitting connector 16 poles in diagnosis
- T80b Fitting connector 80 poles on automatic transmission control unit

- 367 Earth connection 2 in main harness
  - 377 Earth connection 12 in main harness
  - 605 Earth point in upper steering column area
  - 606 Earth point under the centre console near the selection lever
  - B273 Positive connection 15 on main harness
- Only for vehicles with air conditioning  
Only for vehicles with automatic manual transmission



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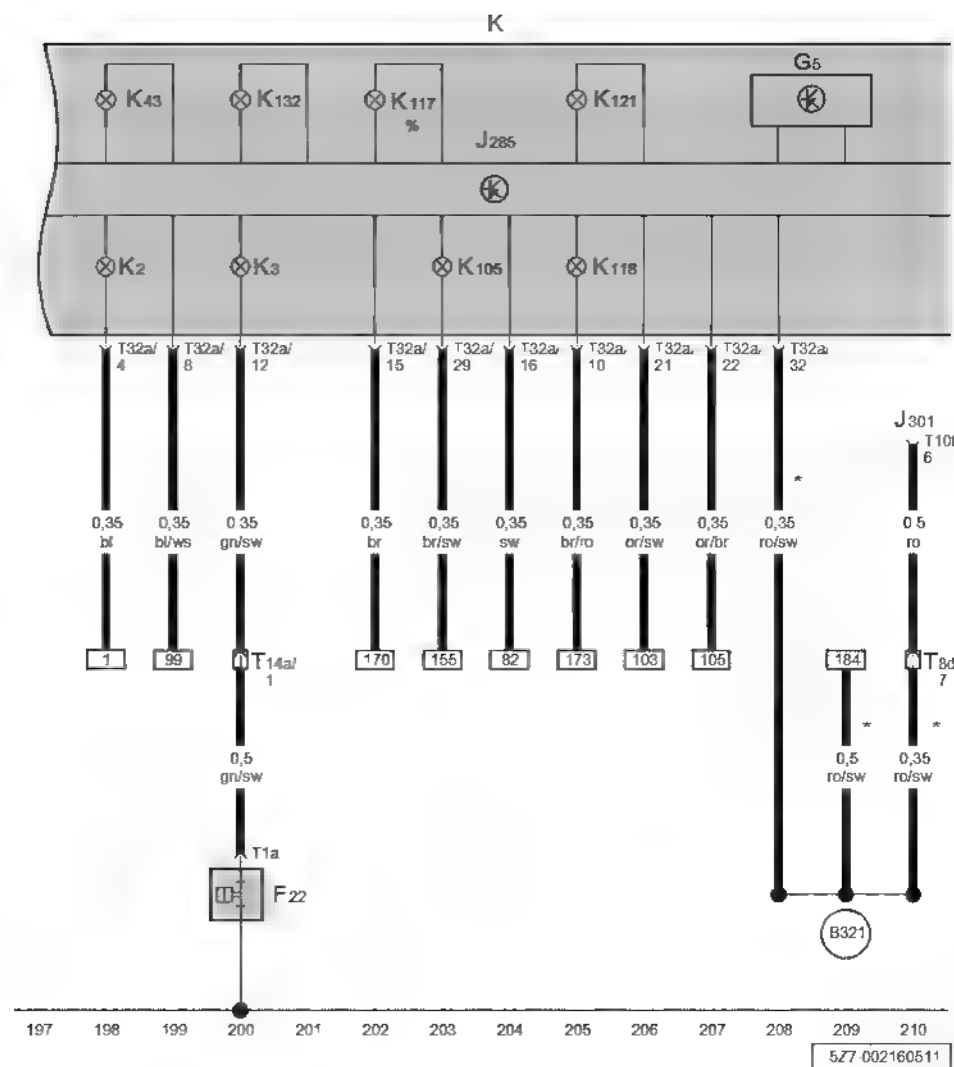
# Fuses

- SB27 Fuse 27 of fuse holder B
- SB28 Fuse 28 of fuse holder B
- SB33 Fuse 33 of fuse holder B
- SB34 Fuse 34 of fuse holder B
- SB44 Fuse 44 of fuse holder B
- SB45 Fuse 45 of fuse holder B
- T16a Fitting connector 16 poles in diagnosis

- B299 Positive connection 3 30 on main harness
  - B316 Positive connection 2 30a on main harness
  - B350 Positive connection 1 87a on main harness
  - B634 Positive connection 2 87 on main harness
- Only for vehicles with air conditioning

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Oil pressure switch Tachometer Control unit w indicator on the combined instrument Combined instrument Alternator warning lamp Oil pressure control light

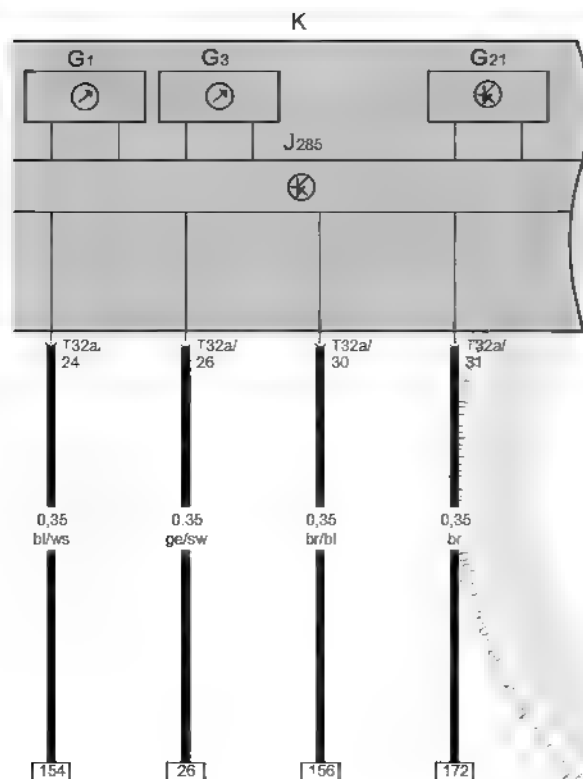
- F22 Oil pressure switch
- G5 Tachometer
- J285 Control unit w indicator on the combined instrument
- J301 Air conditioning system control unit
- K Combined instrument
- K2 Alternator control light
- K3 Oil pressure control light
- K43 Coolant temperature control light
- K105 Fuel reserve control light
- K117 Immobilizer control light
- K118 Brake system control light
- K121 Malfunction warning lamp
- K132 'Egas' system failure indicator light
- T1a Fitting connector single on oil pressure switch
- T8d Fitting connector 8pin on behind dash panel centre
- T10f Fitting connector 10 poles on Air conditioning system control unit
- T14a Fitting connector 14 poles on left engine compartment
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

B321 Positive connection / 30a on main harness

Only for vehicles with air conditioning  
Until December 2010

Fuel level indicator Coolant temperature indicator Speedometer  
Control unit w indicator on the combined instrument Combined  
instrument

- G1 Fuel level indicator
- G3 Coolant temperature indicator
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument



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5Z7 002170511

## Convenience System

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

→ See fitting locations

For information about

◆ Assisted fault pinpointing

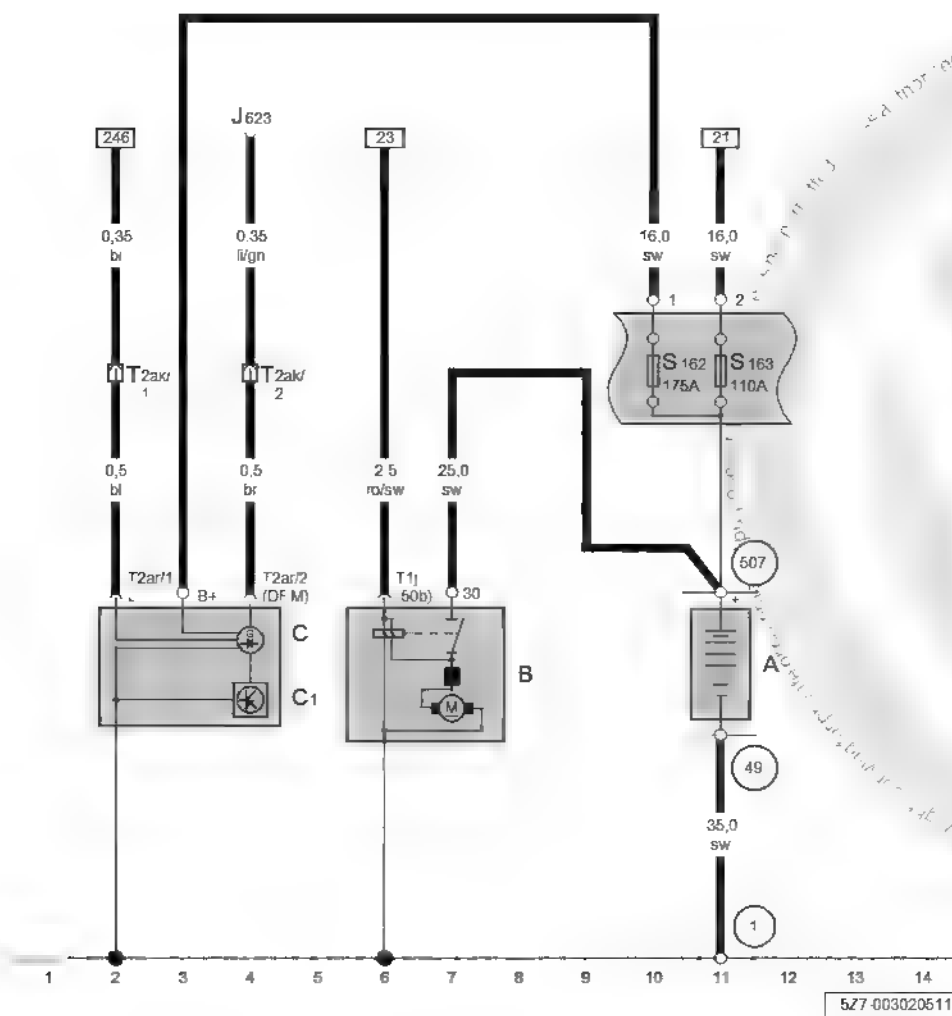
→ See Guided functions

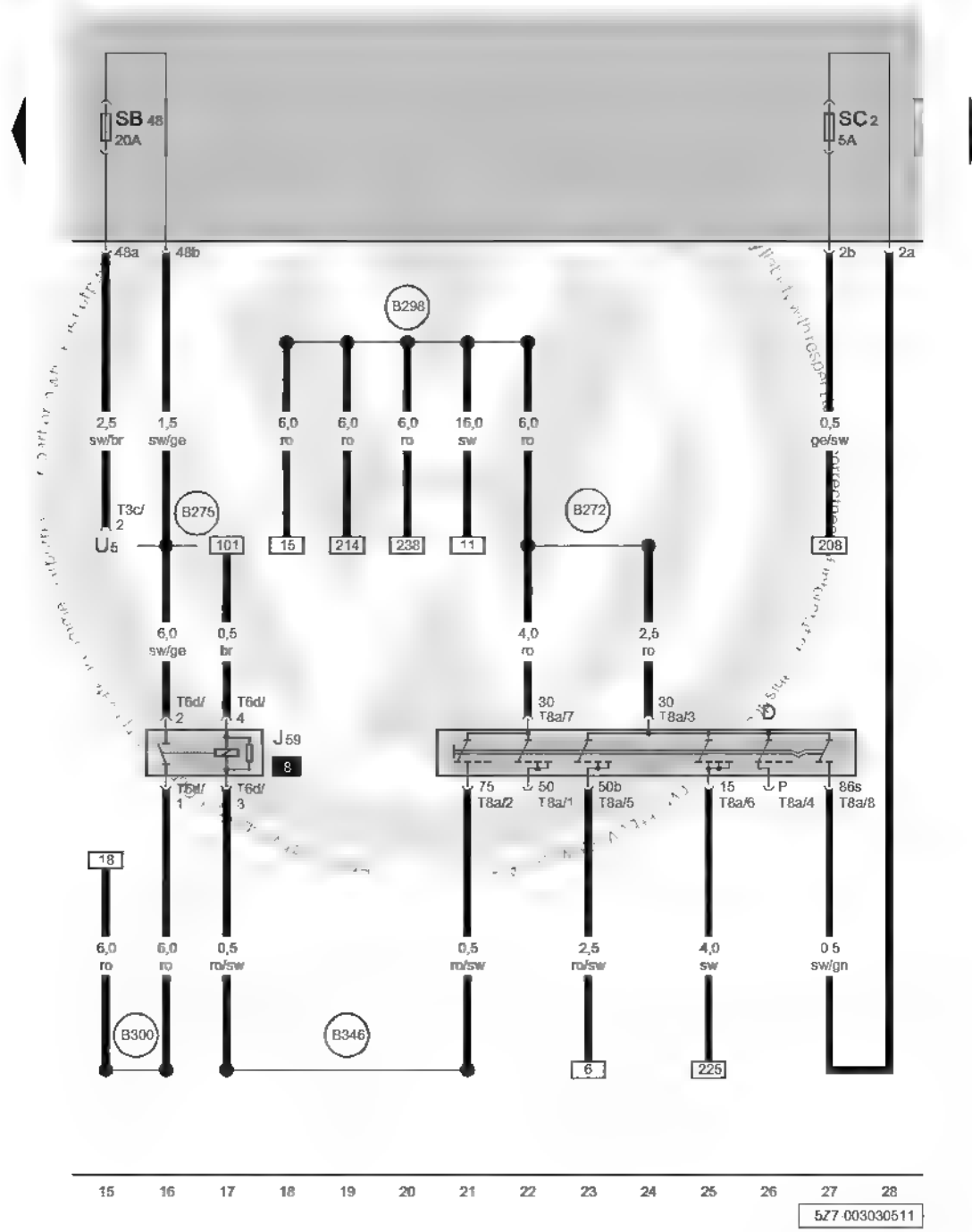


Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

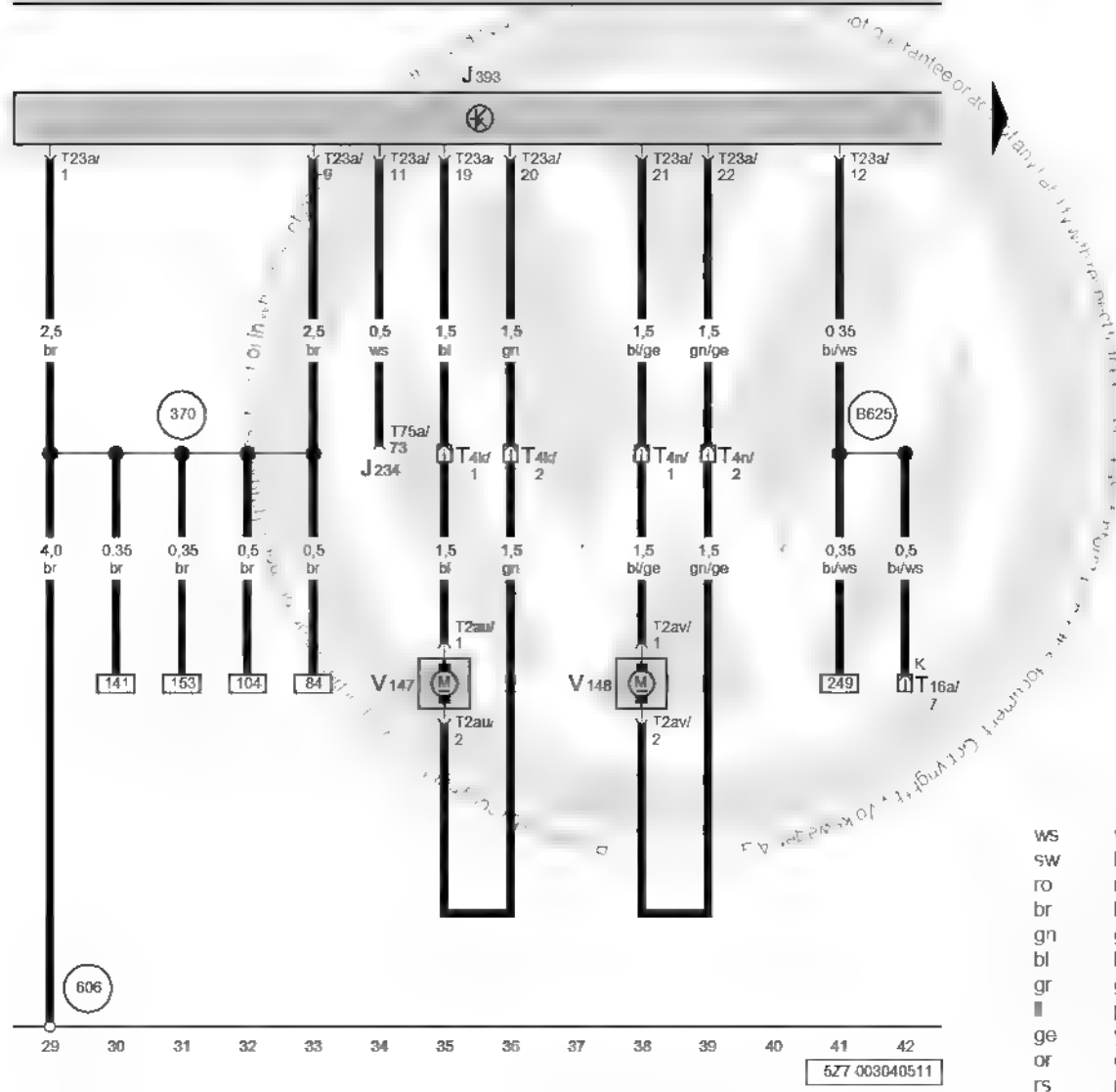
- 1 ) Earth strap battery body
- 49 ) Earth point near the battery
- 507 ) Screw connection 30 battery fuse holder





# Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SB48 Fuse 48 on fuse holder B
- SC2 Fuse 2 on fuse holder C
- T3c Fitting connector 3pin on 12volt socket
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch
- U5 12volt socket
- B272 Positive connection 30 on main harness
- B275 Positive connection 87 on main harness
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B346 Connection 1 75 on main harness



Central control unit for the convenience system  
Driver side window regulator motor  
Front passenger side window regulator motor

- J234 Airbag control unit
- J393 Central control unit for the convenience system
- T2au Fitting connector 2pin in Driver side window regulator motor
- T2av Fitting connector 2pin in Front passenger side window regulator motor
- T4k Fitting connector 4pin for front left door
- T4n Fitting connector 4pin for front right door
- T16a Fitting connector 16 poles in diagnosis
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T75a Fitting connector 75 poles on airbag control unit
- V147 Driver side window regulator motor
- V148 Front passenger side window regulator motor

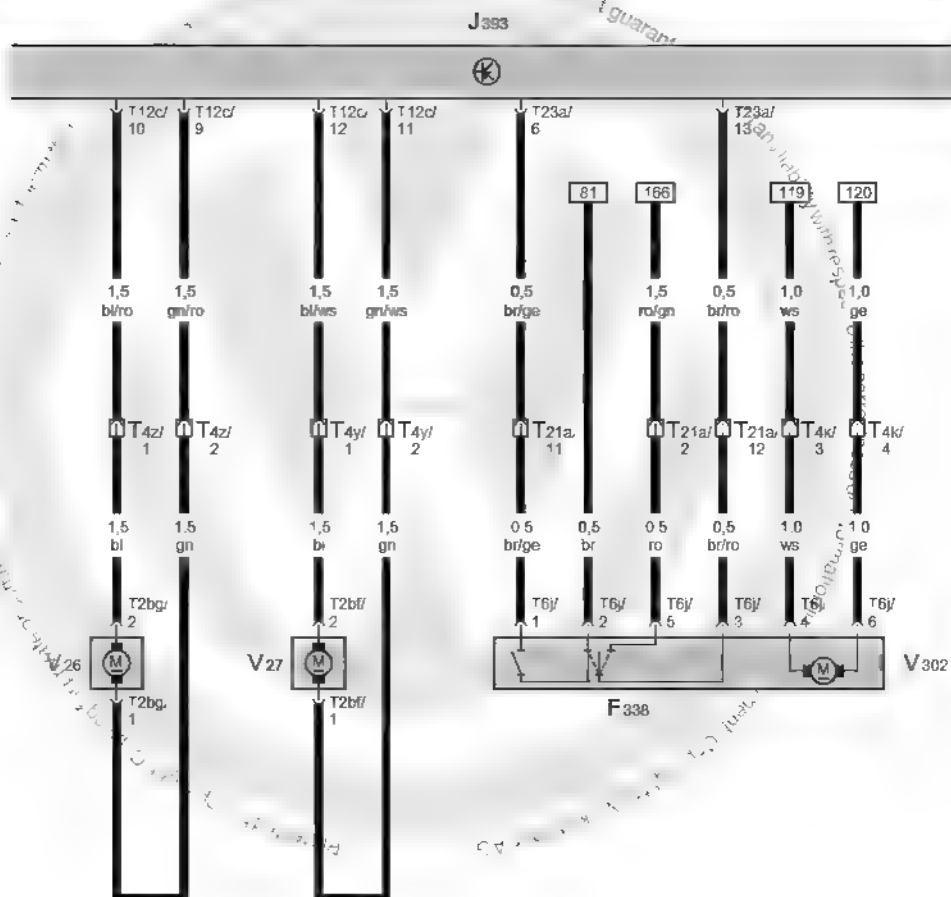
- 370 Earth connection 5 in main harness
- 606 Earth point under the centre console near the selection lever
- B625 Connection diagnostic cable K on main harness

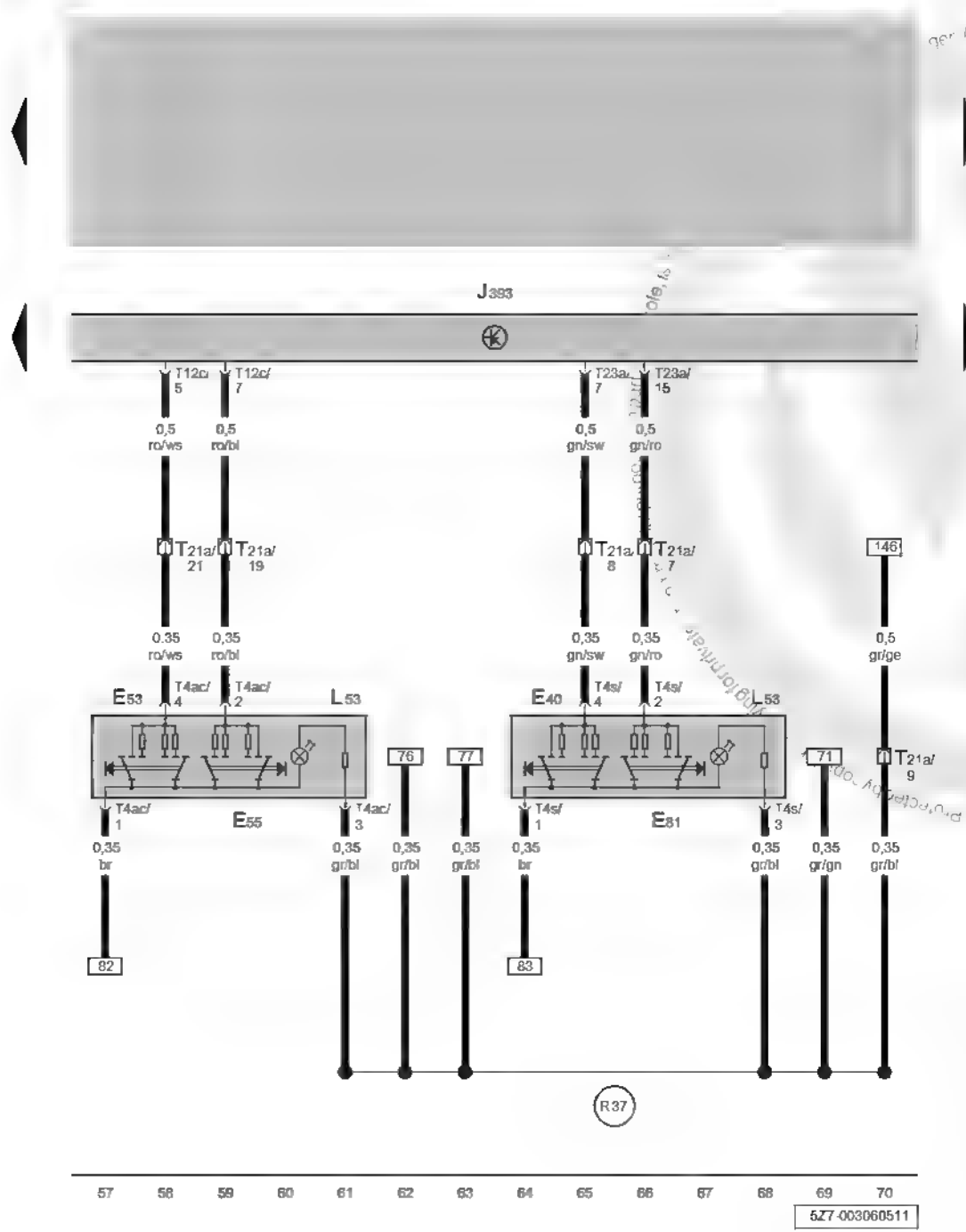
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Driver door power latching system contact switch  
Central control unit for the convenience system  
Rear left window regulator motor  
Rear right window regulator motor  
Driver door power latching motor

- F338 Driver door power latching system contact switch
- J393 Central control unit for the convenience system
- T2bf Fitting connector 2pin in rear right window regulator motor
- T2bg Fitting connector 2pin in rear left window regulator motor
- T4y Fitting connector 4pin for front left door
- T4y Fitting connector 4pin for rear right door
- T4z Fitting connector 4pin for rear left door
- T6j Fitting connector 6pin in Driver door power latching motor
- T12c Fitting connector 12 poles on central control unit for the convenience system
- T21a Fitting connector 21 poles for front left door
- T23a Fitting connector 23 poles on central control unit for the convenience system
- V26 Rear left window regulator motor
- V27 Rear right window regulator motor
- V302 Driver door power latching motor

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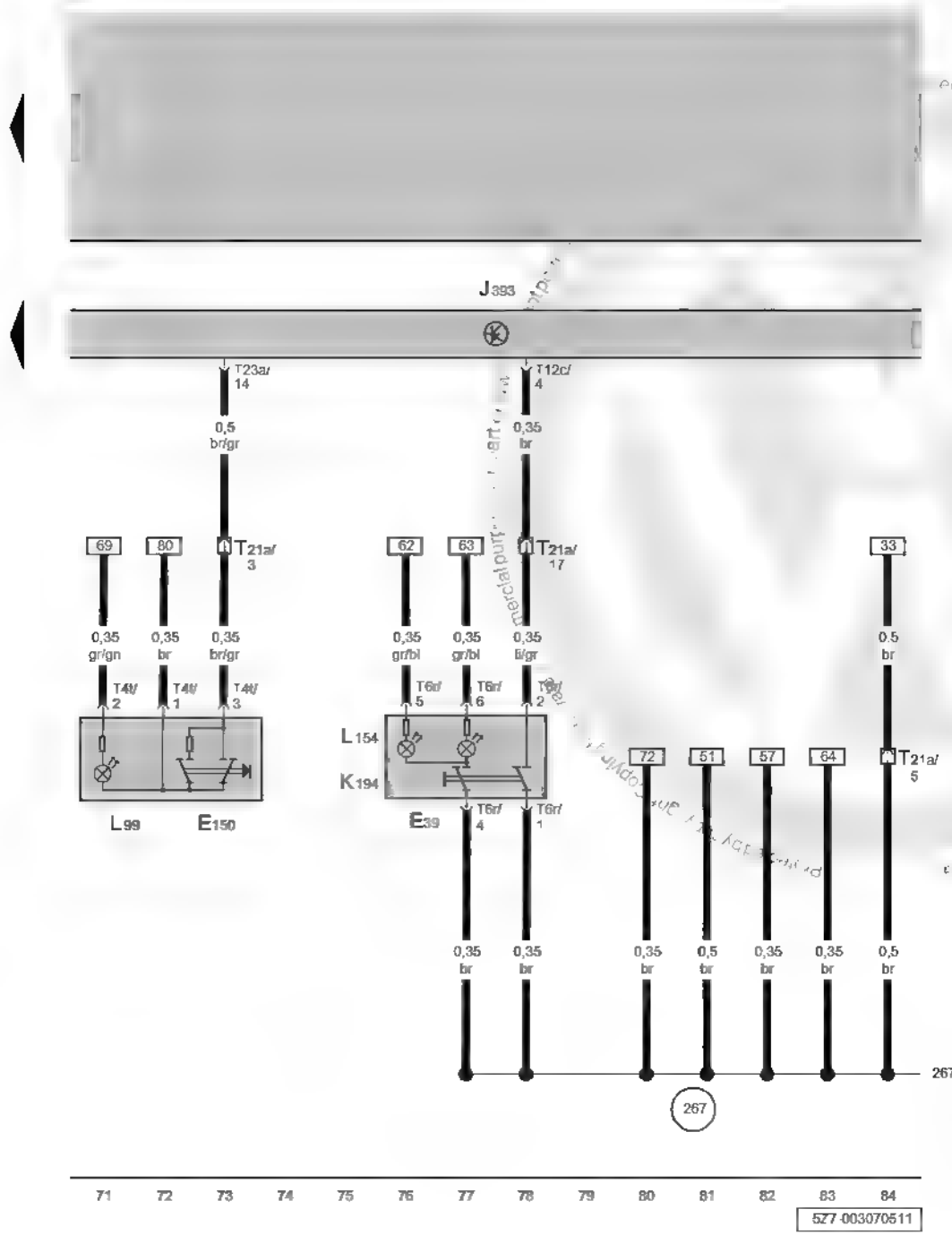


Left front window operating switch driver side  
 Rear left window drive switch driver side  
 Rear right window drive switch driver side  
 Central control unit for the convenience system

- E40 Front left window regulator switch
- E53 Rear left window regulator switch in driver door
- E55 Rear right window regulator switch in driver door
- E81 Front right window regulator switch in driver door
- J393 Central control unit for the convenience system
- L53 Window regulator switch illumination bulb
- T4s Fitting connector 4pin in Front left window regulator switch
- T4ac Fitting connector 4pin in Rear left window regulator switch in driver door
- T12c Fitting connector 12 poles on central control unit for the convenience system
- T21a Fitting connector 21 poles for front left door
- T23a Fitting connector 23 poles on central control unit for the convenience system
- R37 Connection 1 window operation in driver door wiring harness

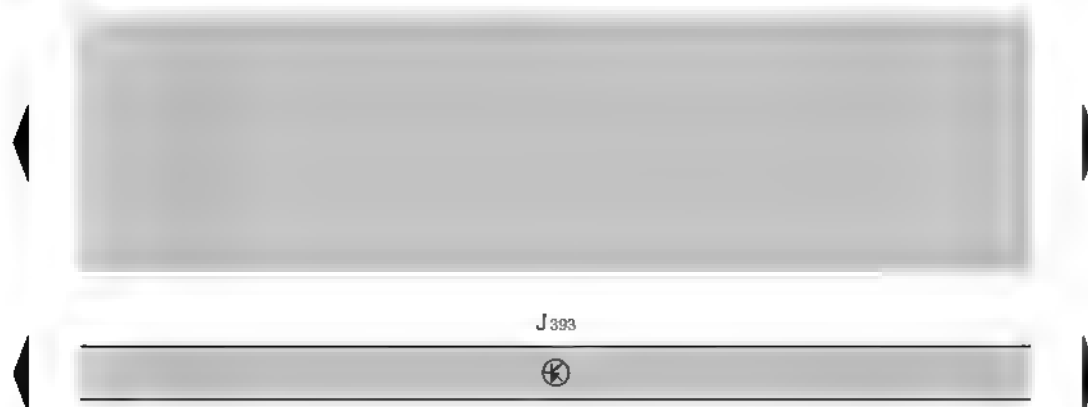
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Rear window locking switch Interior locking switch driver side Central control unit for the convenience system Interior lock switch illumination bulb Rear window locking switch illumination bulb

- E39 Rear window locking switch
- E150 Interior locking switch driver side
- J393 Central control unit for the convenience system
- K194 Window regulator lock warning lamp
- L99 Interior lock switch illumination bulb
- L154 Rear window regulator isolation switch illumination bulb
- T21a Fitting connector 4pin in Interior locking switch driver side
- T6 Fitting connector 6pin in rear window locking switch
- T12c Fitting connector 12 poles on central control unit for the convenience system
- T21a Fitting connector 21 poles for front left door
- T23a Fitting connector 23 poles on central control unit for the convenience system
- 267 Earth connection 2 in driver door wiring harness

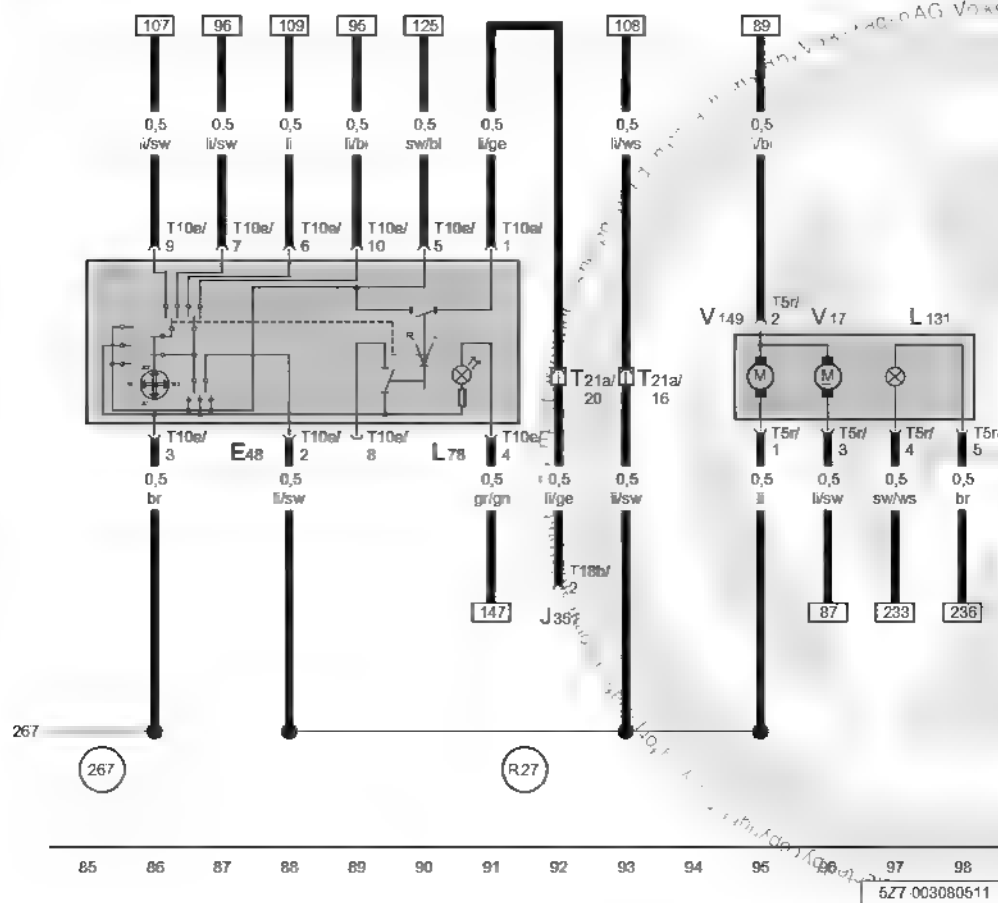


Rearview mirrors adjustment switch Central control unit for the convenience system Mirror adjustment switch illumination bulb Driver side turn signal repeater bulb Driver side mirror adjustment motor

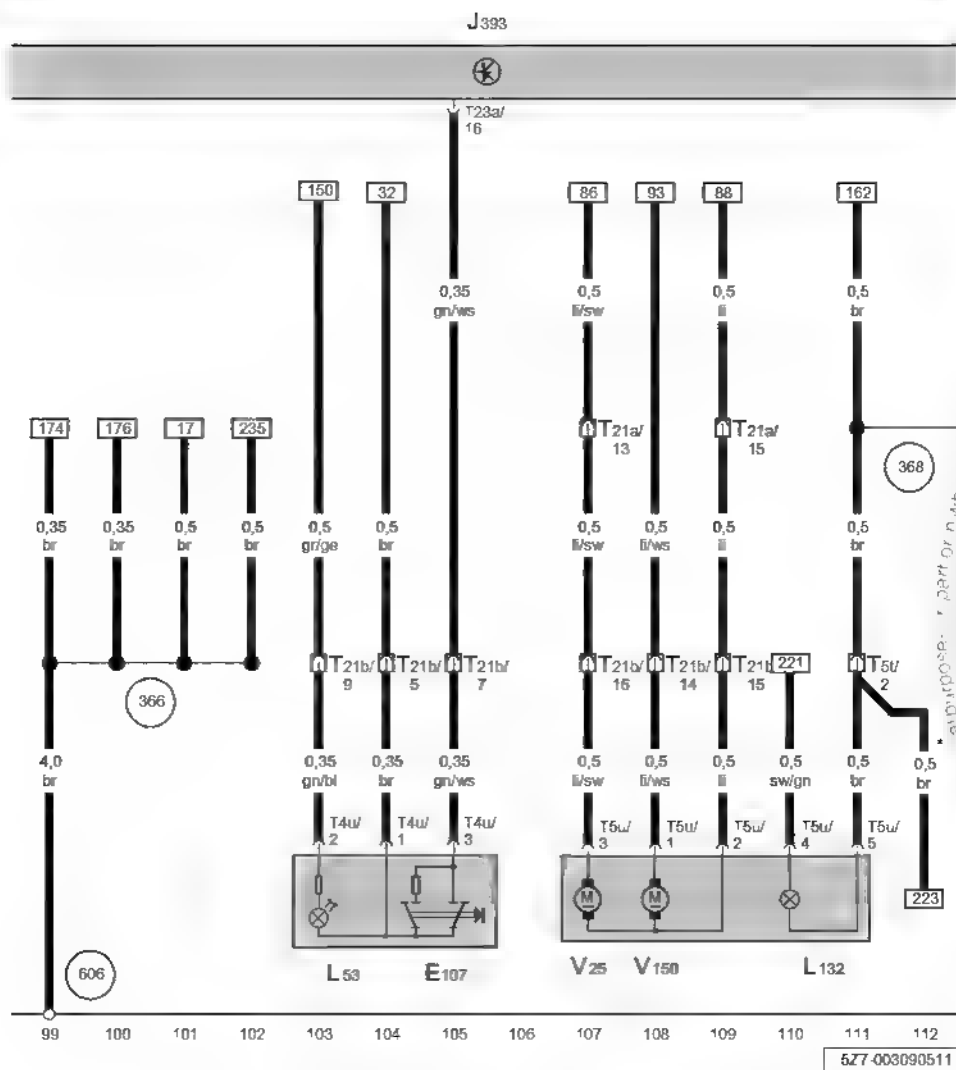
- E48 Mirror adjustment changeover switch
- J351 Folding exterior mirror control unit
- J393 Central control unit for the convenience system
- L78 Mirror adjustment switch illumination bulb
- L131 Driver side turn signal repeater bulb
- T5r Fitting connector 5pin in Driver side mirror adjustment motor
- T10e Fitting connector 10 poles on rearview mirror adjustment switch
- T18b Fitting connector 18 poles on Folding exterior mirror control unit
- T21a Fitting connector 21 poles for front left door
- V17 Driver side mirror adjustment motor
- V149 Driver side mirror adjustment motor

267 Earth connection 2 in driver door wiring harness

R27 Connection rearview mirror adjustment in driver door wiring harness



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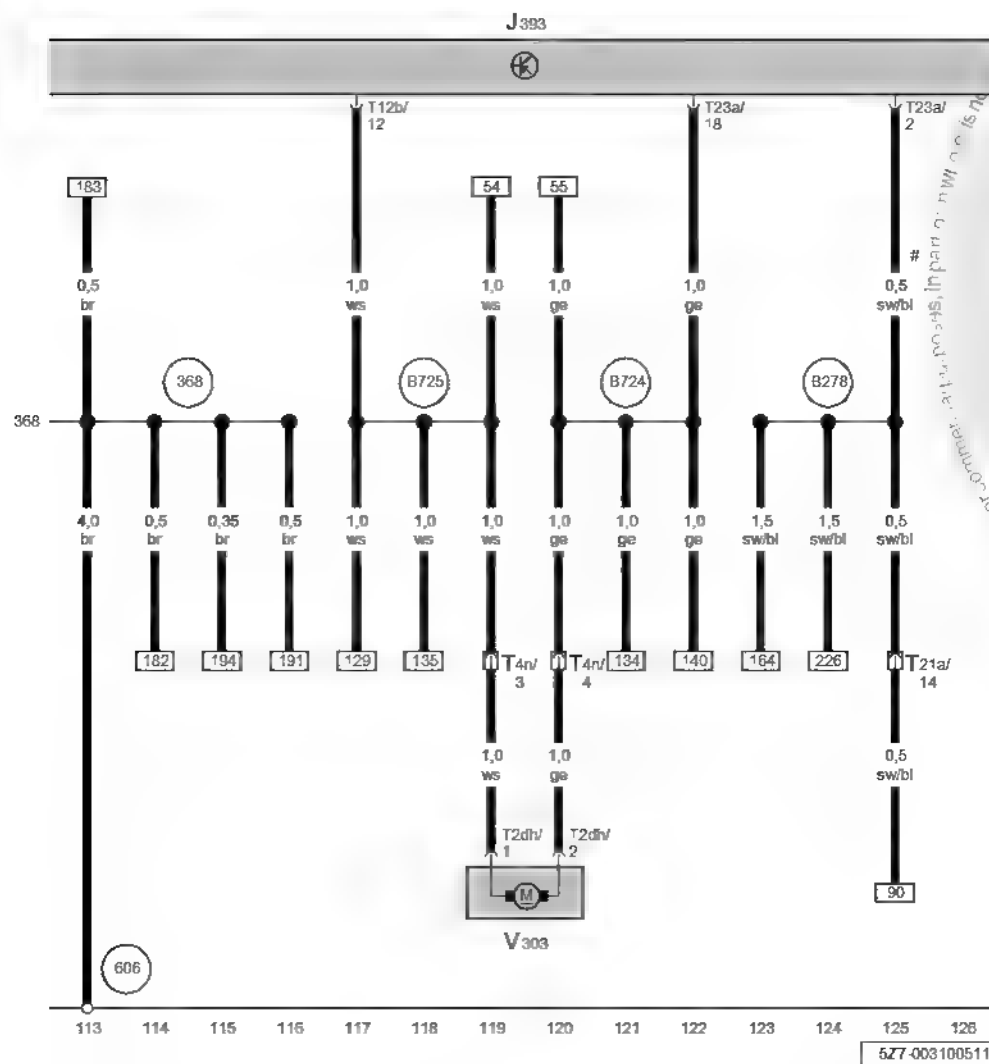
Window regulator switch in front passenger door  
Central control unit for the convenience system  
Window regulator switch illumination bulb  
Front passenger mirror side turn signal repeater bulb

- E107 Window regulator switch in front passenger door
- J393 Central control unit for the convenience system
- L53 Window regulator switch illumination bulb
- L132 Front passenger side mirror turn signal repeater bulb
- T4u Fitting connector 4pin in Window regulator switch in front passenger door
- T5u Fitting connector 5pin in Front passenger side mirror adjustment motor
- T5t Fitting connector 5pin for front right door
- T21a Fitting connector 21 poles for front left door
- T21b Fitting connector 21 poles for front right door
- T23a Fitting connector 23 poles on central control unit for the convenience system
- V25 Front passenger side mirror adjustment motor
- V150 Front passenger side mirror adjustment motor

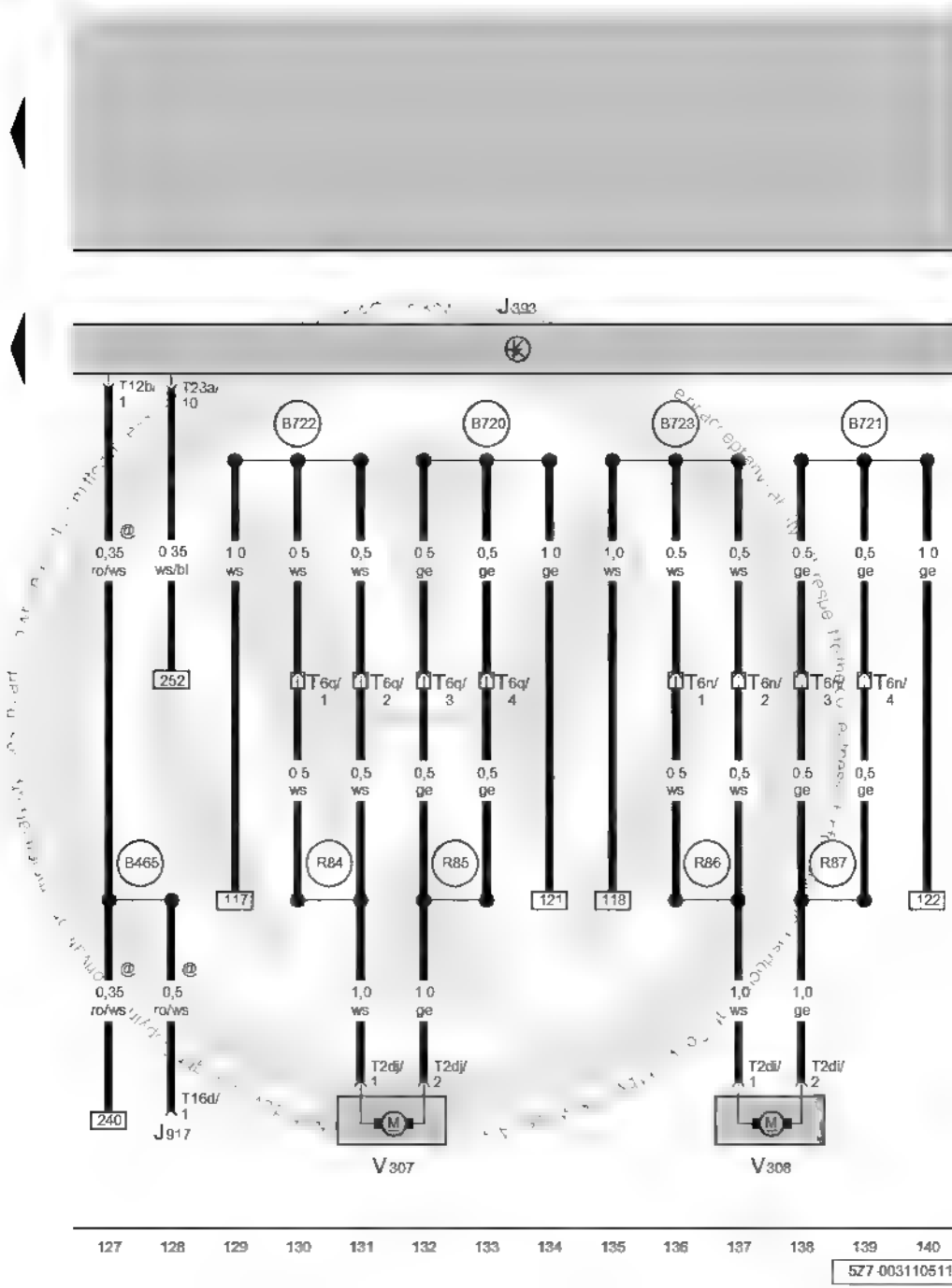
- 366 Earth connection 1 in main harness
  - 368 Earth connection 3 in main harness
  - 606 Earth point under the centre console near the selection lever
- Only for vehicles without electric operation of external rear view mirrors

Central control unit for the convenience system Front passenger door power latching motor

- J393 Central control unit for the convenience system
- T2dh Fitting connector 2pin in Front passenger door power latching system engine
- T4n Fitting connector 4pin for front right door
- T12b Fitting connector 12 poles on central control unit for the convenience system
- T21a Fitting connector 21 poles for front left door
- T23a Fitting connector 23 poles on central control unit for the convenience system
- V303 Front passenger door power latching motor
- 368 Earth connection 3 in main harness
- 606 Earth point under the centre console near the selection lever
- B278 Positive connection 2 15a on main harness
- B724 Connection central locking opened on main harness
- B725 Connection central locking closed on main harness



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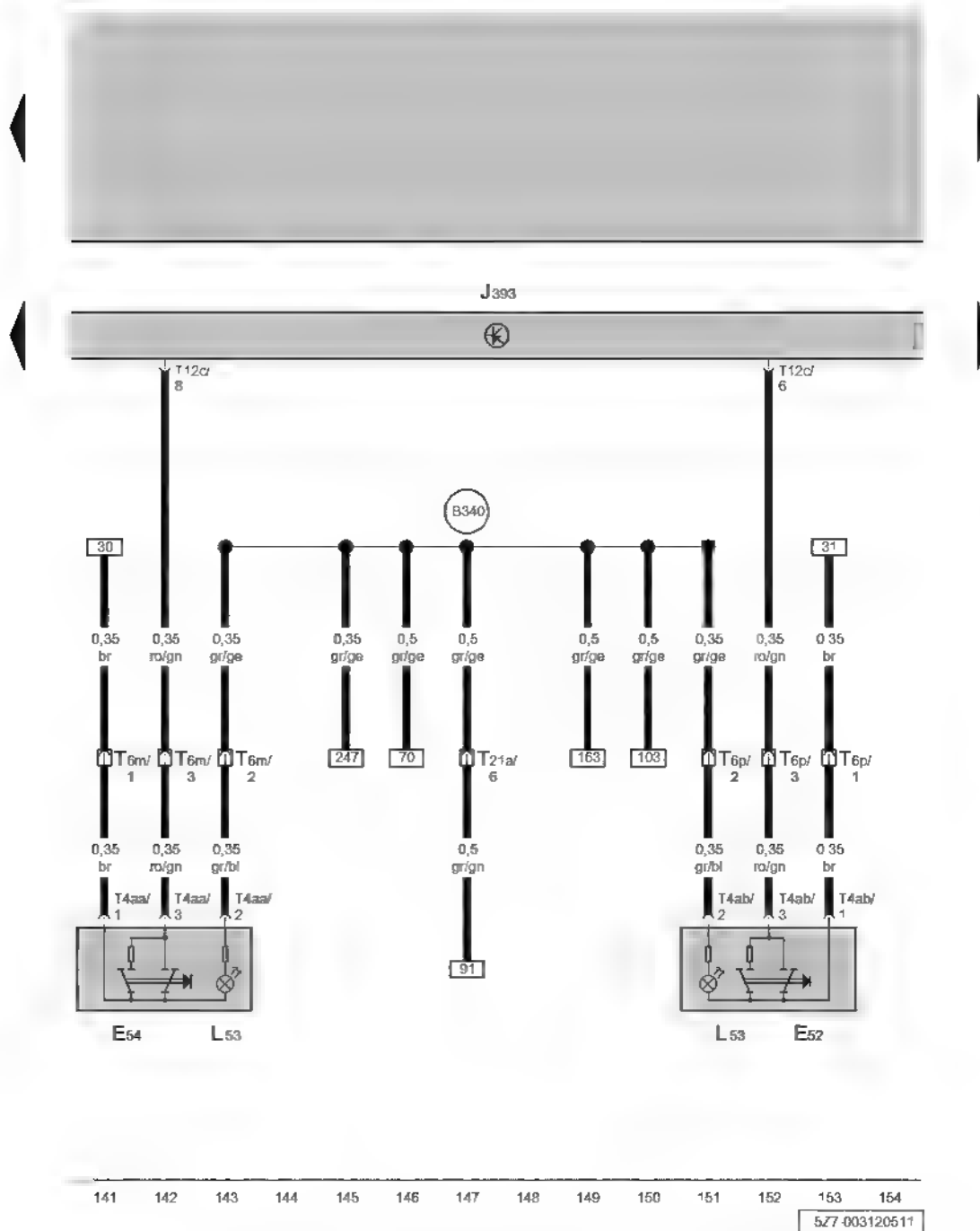
Central control unit for the convenience system  
Rear left central door locking system engine  
Rear right central door locking system engine

- J393 Central control unit for the convenience system
- J917 Control unit for lighting and wiper functions
- T2di Fitting connector 2pin in rear right central door locking system engine
- T2dj Fitting connector 2pin in rear left central door locking system engine
- T6n Fitting connector 6pin in rear right door
- T6q Fitting connector 6pin for rear left door
- T16d Fitting connector 16 poles on control unit for lighting and wiper functions
- V307 Rear left central power latching system engine
- V308 Rear right central power latching system engine

- B465 Connection 1 on main harness
- B720 Connection 1 central locking on main harness
- B720 Connection 1 central locking on main harness
- B721 Connection 2 central locking on main harness
- B722 Connection 3 central locking on main harness
- B723 Connection 4 central locking on main harness
- R84 Connection 1 central locking on rear left door wiring harness
- R85 Connection 2 central locking on rear left door wiring harness
- R86 Connection 1 central locking on rear right door wiring harness
- R87 Connection 2 central locking on rear right door wiring harness

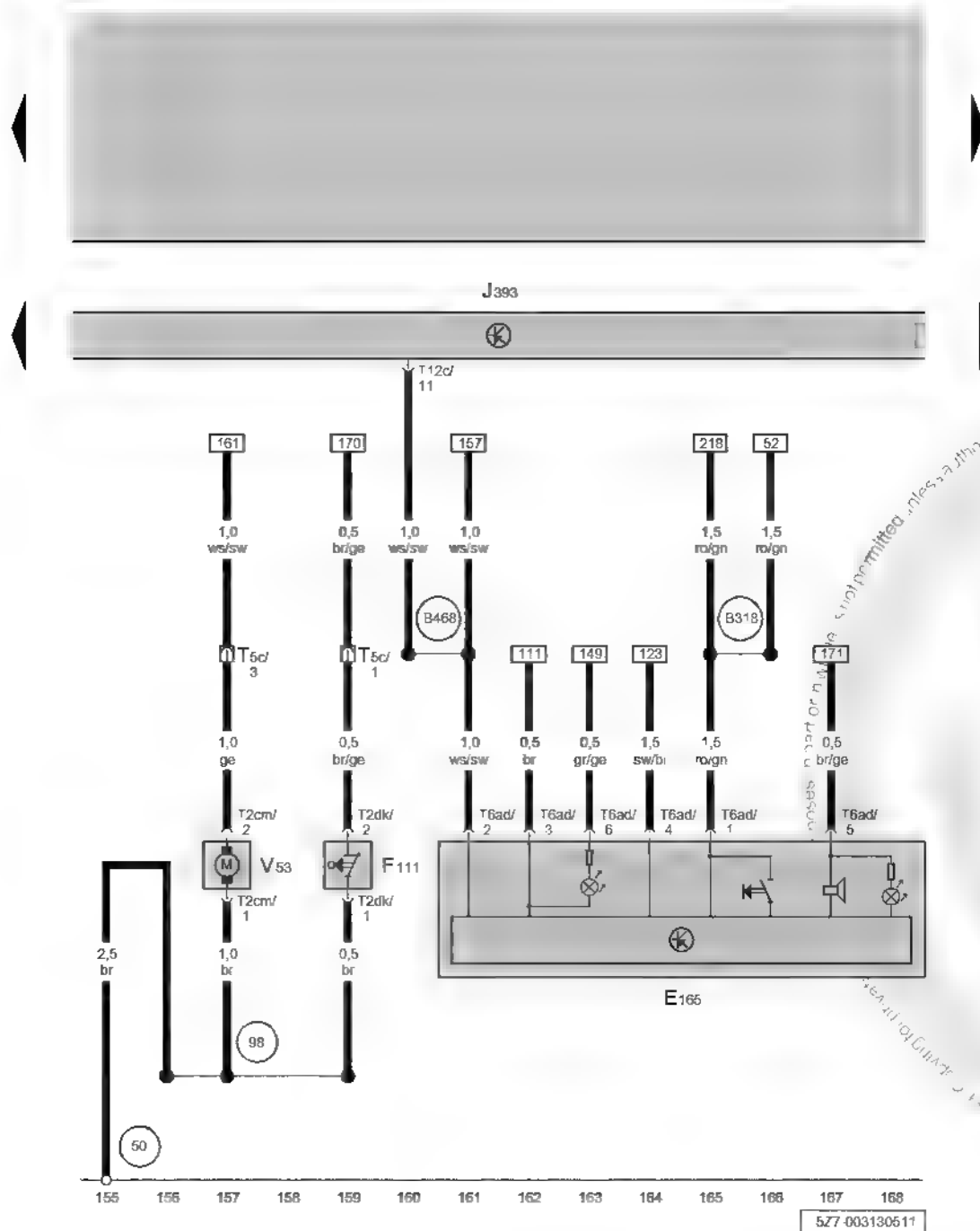
Only for vehicles with control unit lighting and wiper functions

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Rear right door window regulator switch  
Rear left door window regulator switch  
Rear right door window regulator switch  
Central control unit for the convenience system  
Window regulator switch illumination bulb

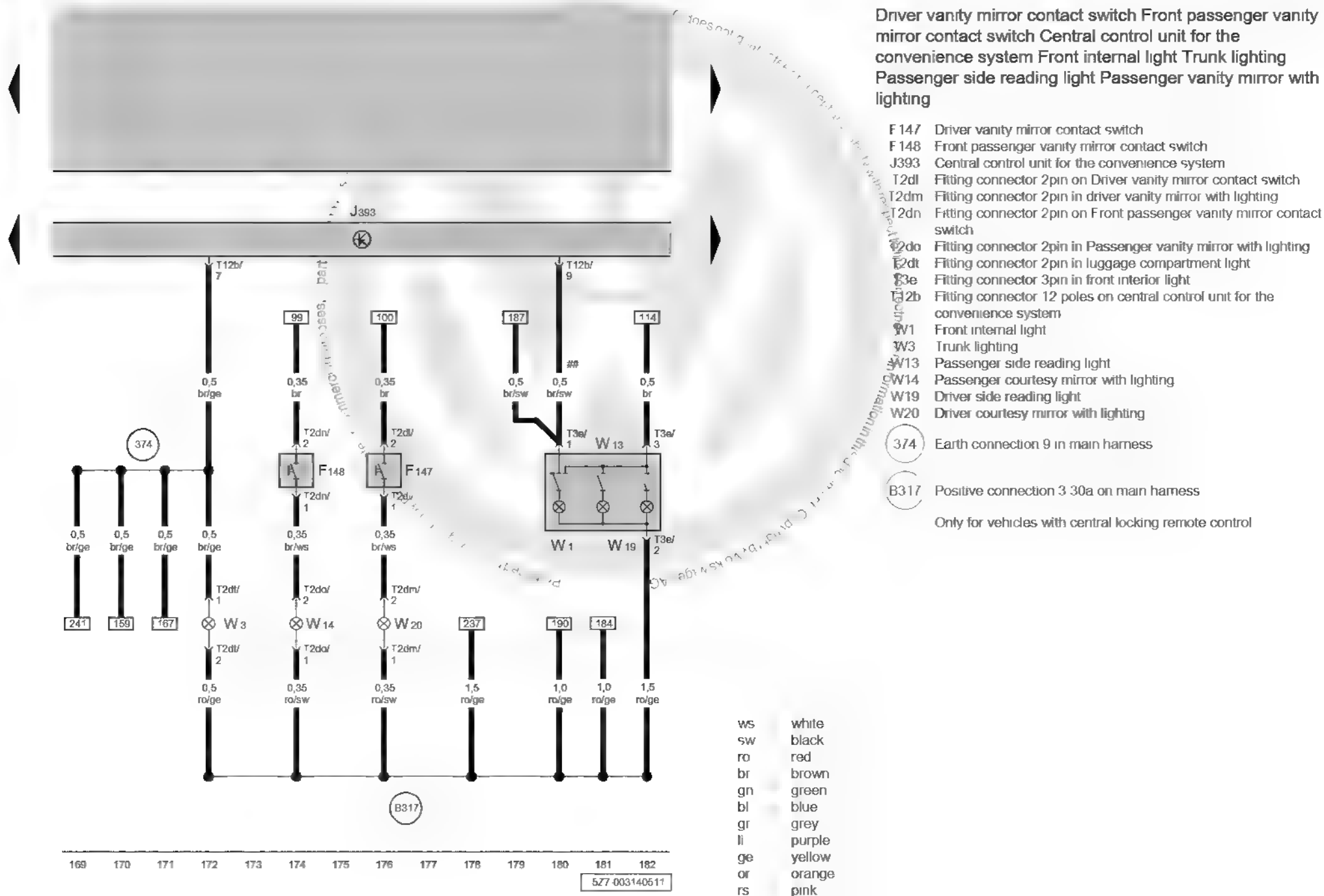
- E52 Rear left door window regulator switch
- E54 Rear right door window regulator switch
- J393 Central control unit for the convenience system
- L53 Window regulator switch illumination bulb
- T4aa Fitting connector 4pin in rear right door window regulator switch
- T4ab Fitting connector 4pin in rear left door window regulator switch
- T6m Fitting connector 6pin in rear right door
- T6p Fitting connector 6pin in rear left door
- T12c Fitting connector 12 poles on central control unit for the convenience system
- T12d Fitting connector 21 poles for front left door
- B340 Connection 1 58d on main harness



Rear lid unlocking switch Rear lid contact switch Central control unit for the convenience system Rear lid central locking motor

- E165 Rear lid unlocking switch
- F111 Rear lid contact switch
- J393 Central control unit for the convenience system
- T2cm Fitting connector 2pin in rear lid central locking motor
- T2dk Fitting connector 2pin on rear lid contact switch
- T5c Fitting connector 5pin behind rear left side lining near the wheelhouse
- T6ad Fitting connector 6pin on rear lid unlocking switch
- T12c Fitting connector 12 poles on central control unit for the convenience system
- V53 Rear lid central locking motor
- 50 Earth point on left luggage compartment
- 98 Earth connection on rear lid wiring harness
- B318 Positive connection 4 30a on main harness
- B468 Connection 4 on main harness

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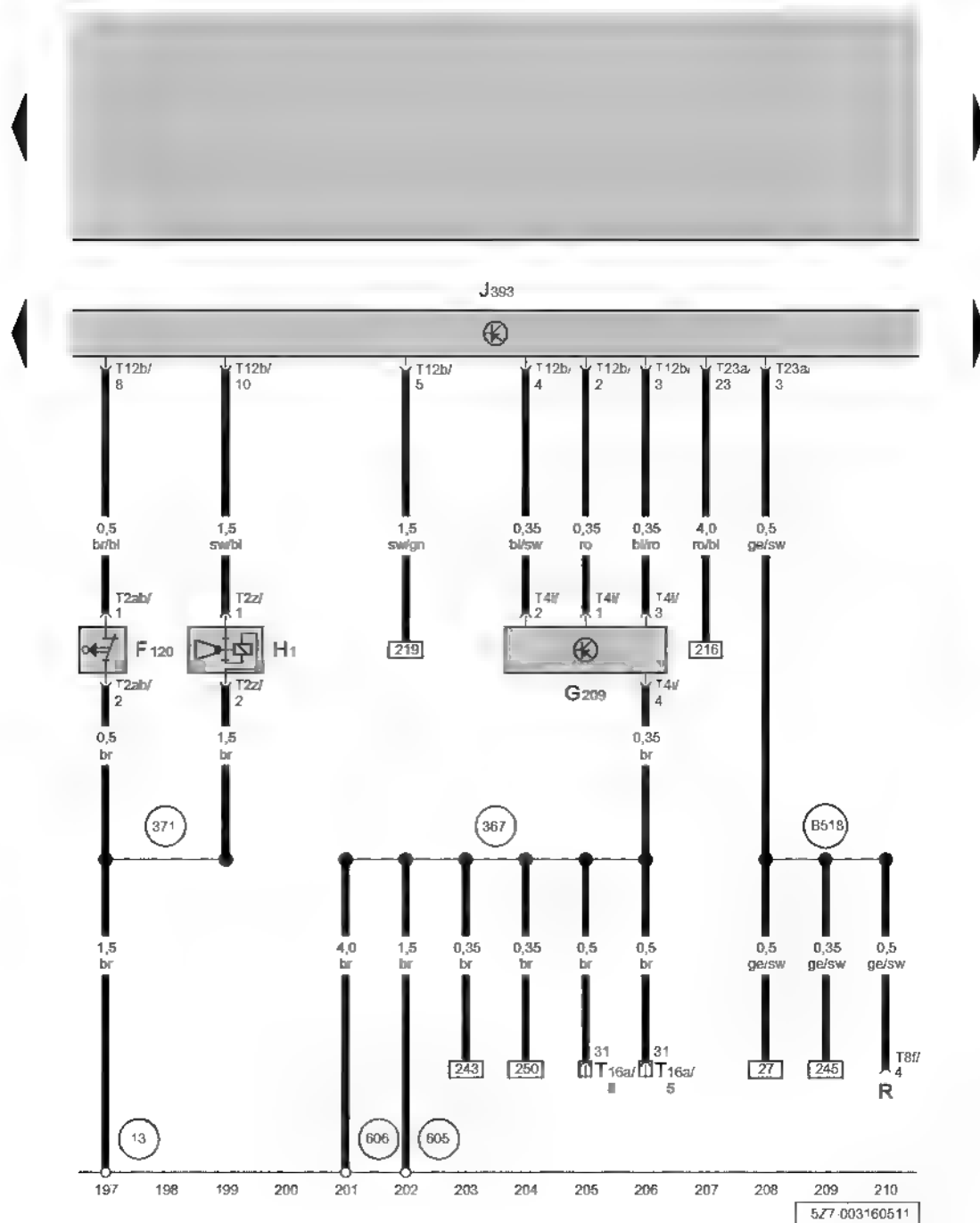




Antidazzle interior mirror button Driver door contact switch  
Front passenger door contact switch Reversing light switch

- E386 Antidazzle interior mirror button
- F2 Driver door contact switch
- F3 Front passenger door contact switch
- F4 Reversing light switch
- F10 Rear left door contact switch
- F11 Rear right door contact switch
- J393 Central control unit for the convenience system
- K187 Antidazzle interior mirror warming lamp
- T1c Fitting connector single on Driver door contact switch
- T1d Fitting connector single on Front passenger door contact switch
- T1o Fitting connector single on Rear left door contact switch
- T1p Fitting connector single on Rear right door contact switch
- T2al Fitting connector 2pin on reversing light switch
- T3al Fitting connector 3pin on rear left reading lamp
- T3am Fitting connector 3pin on rear right reading lamp
- T6ac Fitting connector 6pin in Antidazzle interior mirror button
- T23a Fitting connector 23 poles on central control unit for the convenience system
- W11 Rear left reading light
- W12 Rear right reading light
- Y7 Automatic antidazzle interior mirror
- 375 Earth connection 10 in main harness
- B277 Positive connection 1 15a on main harness
- B336 Connection 2 54 on main harness

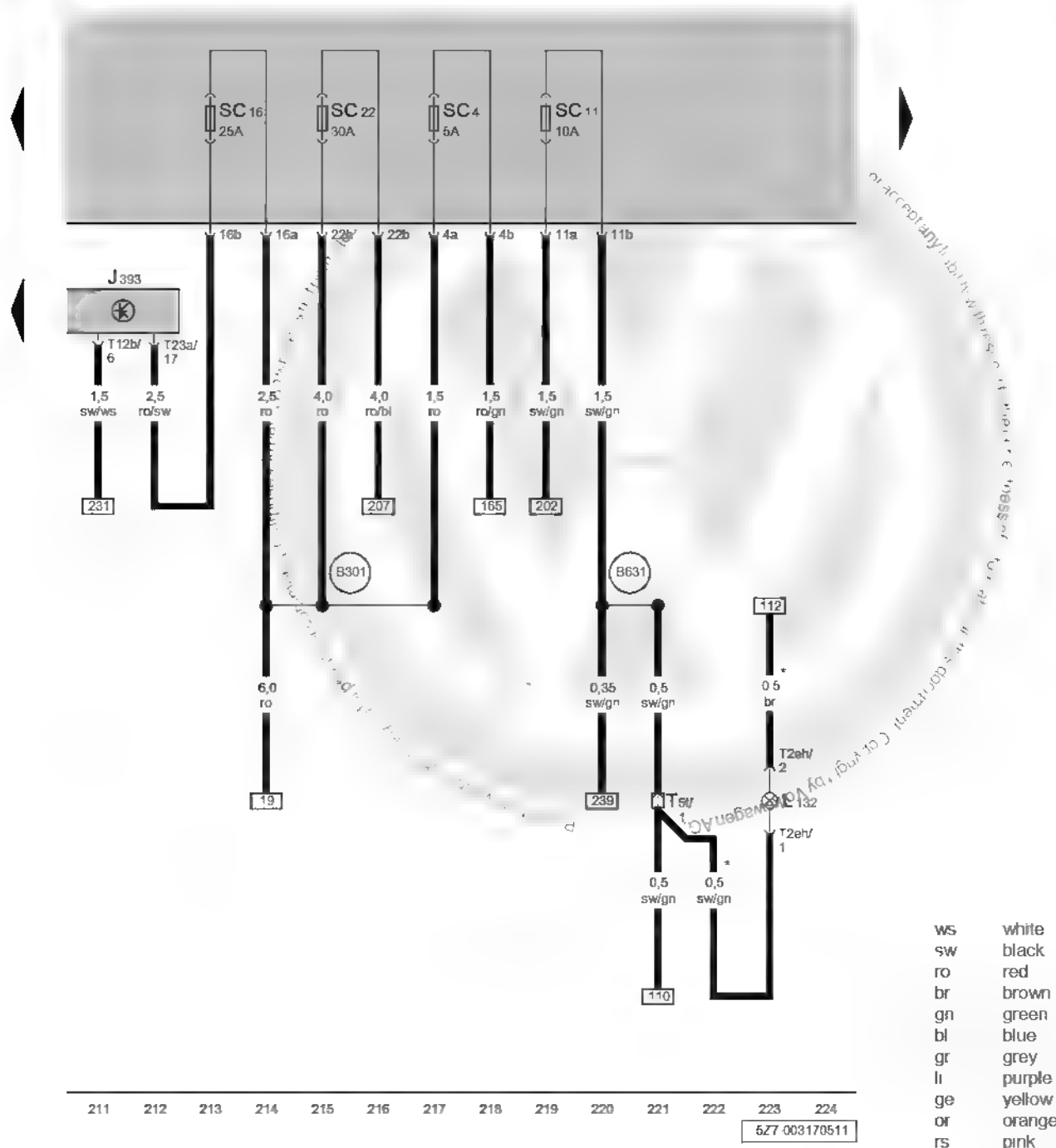
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Front hood contact switch motor cover for alarm system  
Horn and dualtone horn Ultrasound sensor for the alarm system  
Central control unit for the convenience system

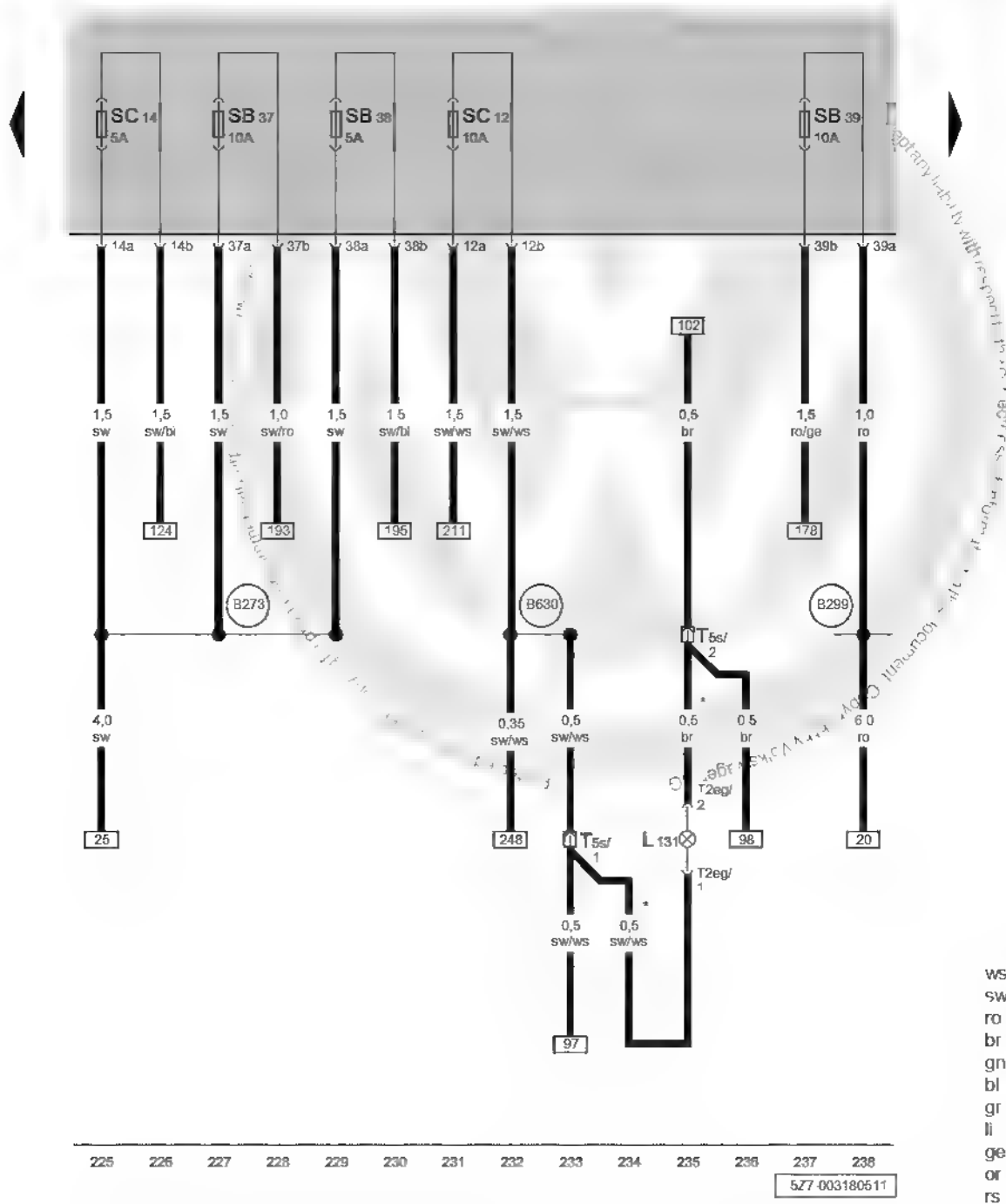
- F 120 Front hood contact switch motor cover for alarm system
- H1 Horn or dual tone horn
- G209 Ultrasound sensor for the alarm system
- J393 Central control unit for the convenience system
- R Radio
- T2z Fitting connector 2pin in horn or dual tone horn
- T2ab Fitting connector 2pin on front hood contact switch motor cover for alarm system
- T4i Fitting connector 4pin on ultrasound sensor for the alarm system
- T8f Fitting connector 8pin on radio
- T12b Fitting connector 12 poles on central control unit for the convenience system
- T16a Fitting connector 16 poles in diagnosis
- T23a Fitting connector 23 poles on central control unit for the convenience system
- 13 Earth point in engine compartment right
- 367 Earth connection 2 in main harness
- 371 Earth connection 6 in main harness
- 605 Earth point in upper steering column area
- 606 Earth point under the centre console near the selection lever
- B518 Connection 86s on main harness

ws white  
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ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



# Central control unit for the convenience system Front passenger side mirror turn signal repeater bulb

- J393 Central control unit for the convenience system
- L132 Front passenger side mirror turn signal repeater bulb
- T2eh Fitting connector 2pin on front passenger side mirror turn signal repeater bulb
- T5t Central control unit for the convenience system
- T12b Fitting connector 12 poles on central control unit for the convenience system
- T23a Fitting connector 23 poles on central control unit for the convenience system
- SC4 Fuse 4 on fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- B301 Positive connection 5 30 on main harness
- B631 Connection turn signal right on main harness
- Only for vehicles without electric operation of external rear view mirrors



### Driver side turn signal repeater bulb

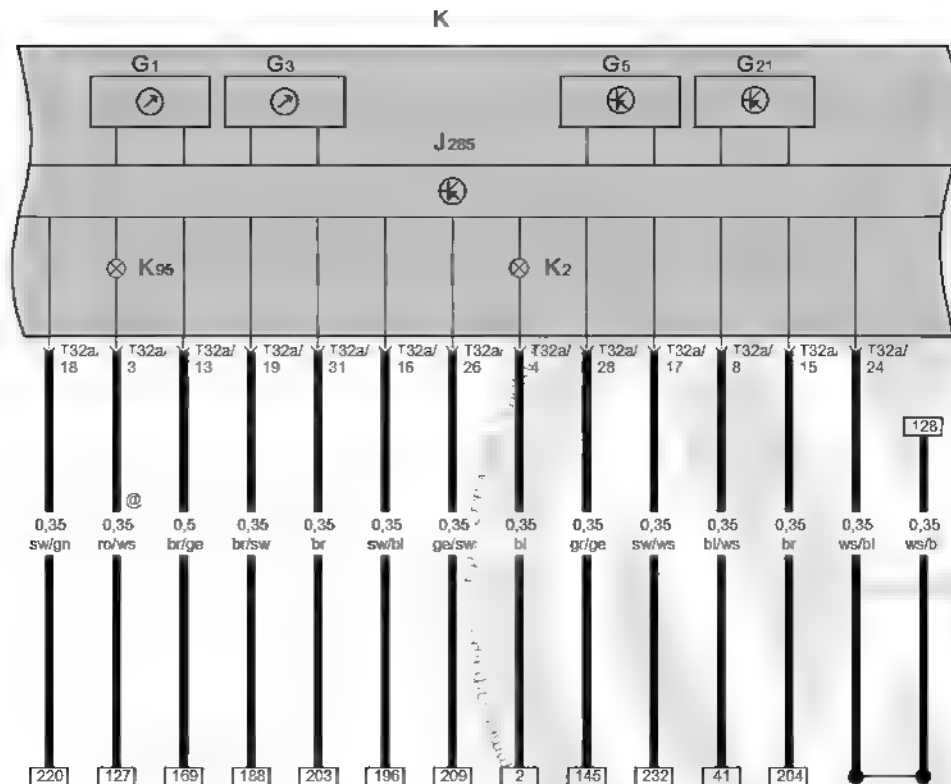
- L131 Driver side turn signal repeater bulb
- SB37 Fuse 37 on fuse holder B
- SB38 Fuse 38 on fuse holder B
- SB39 Fuse 39 on fuse holder B
- SC12 Fuse 12 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- T2eg Fitting connector 2pin on driver side external mirror turn signal repeater bulb
- T5s Fitting connector 5pin for front left door

B273 Positive connection 15 on main harness

B299 Positive connection 3.30 on main harness

B630 Connection turn signal left on main harness

Only for vehicles without electric operation of external rear view mirrors



Fuel level indicator Coolant temperature indicator Tachometer  
Speedometer Control unit w indicator on the combined instrument  
Combined instrument Alternator control light Control light for the  
alarm system

- G1 Fuel level indicator
- G3 Coolant temperature indicator
- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- K2 Alternator control light
- K95 Alarm system warning lamp
- T32a Fitting connector 32 poles on Control unit light on the combined instrument

(B464) Connection speed signal on main harness

Only for vehicles with control unit lighting and wiper functions

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
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or orange  
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## Coming HomeLeaving Home without rain sensor

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

→ See fitting locations

For information about

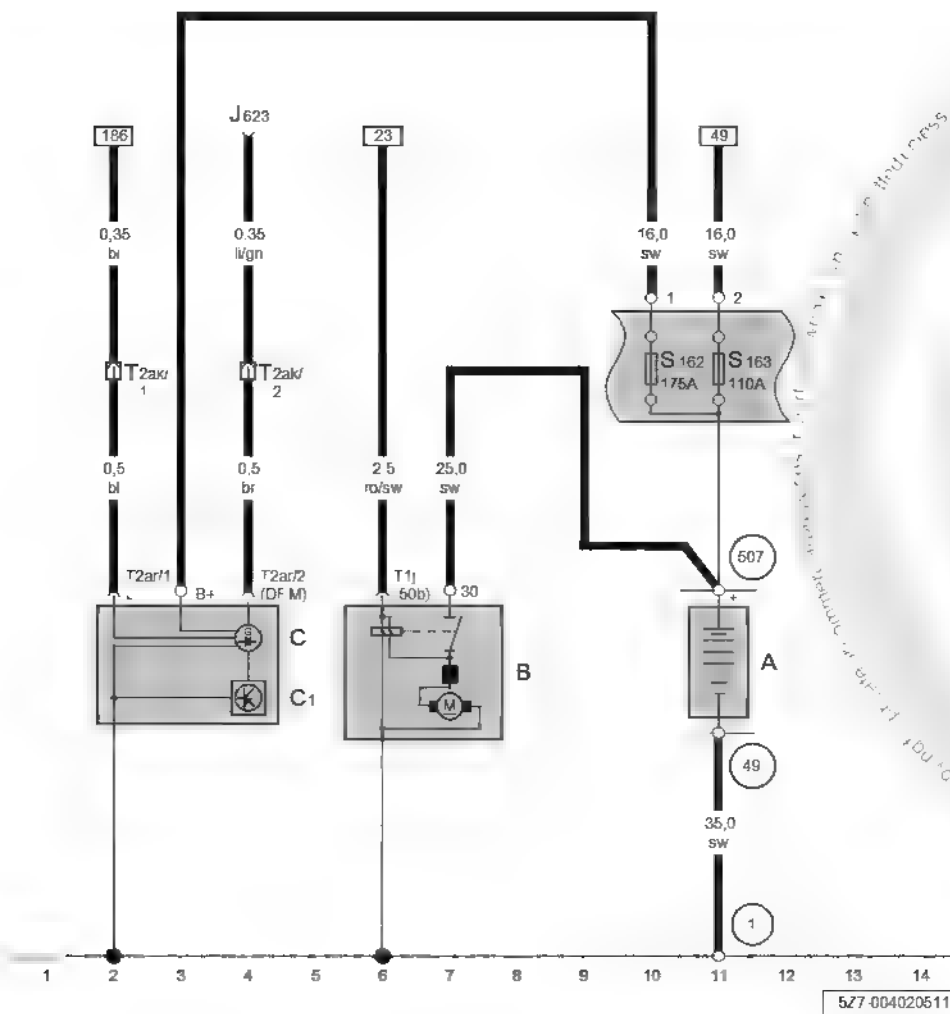
◆ Assisted fault pinpointing

→ See Guided functions

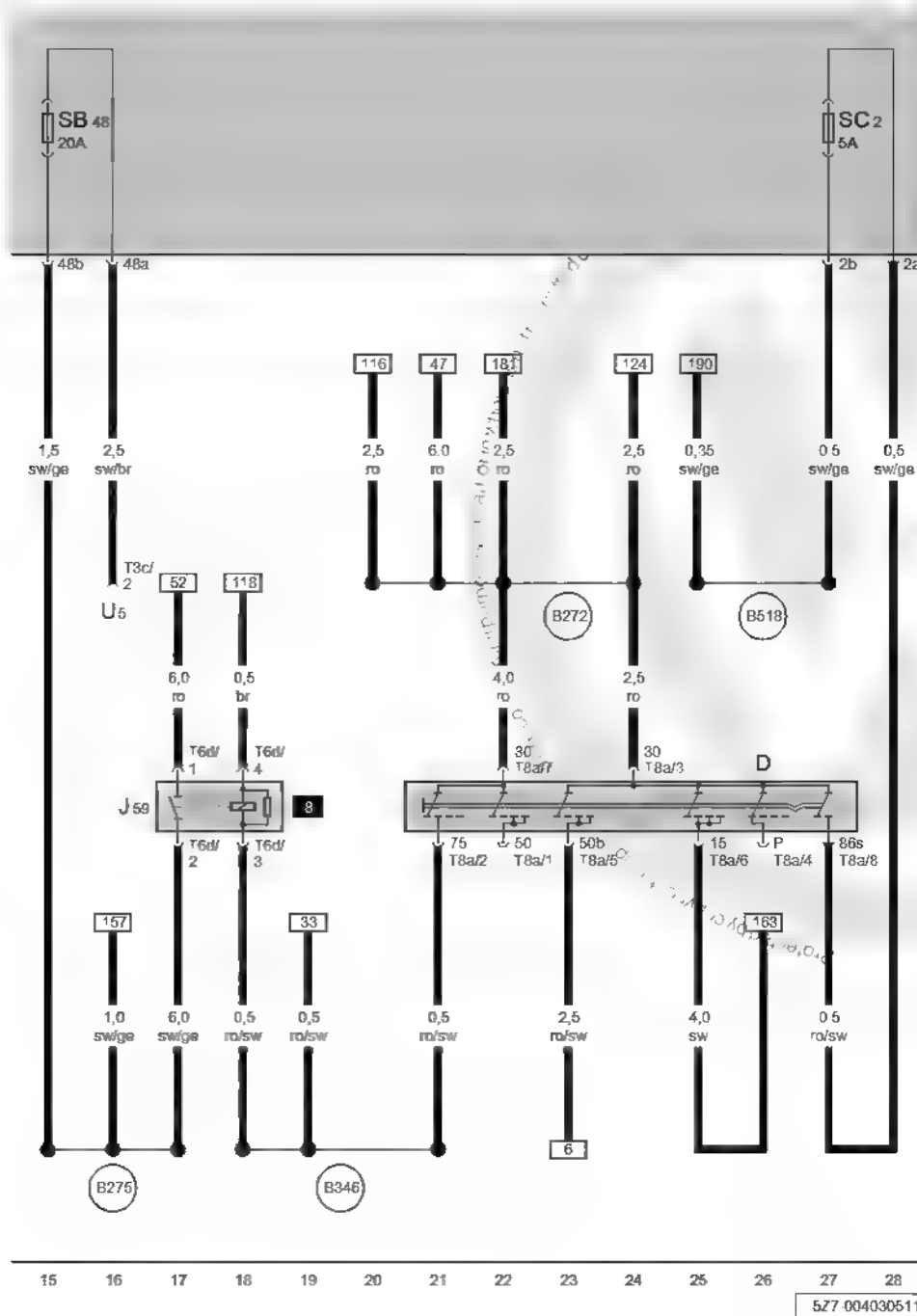
Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- (1) Earth strap battery body
- 49 ) Earth point near the battery
- (507) Screw connection 30 battery fuse holder



527-004020511



# Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SB48 Fuse 48 on fuse holder B
- SC2 Fuse 2 on fuse holder C
- T3c Fitting connector 3pin on 12volt socket
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch

(B272) Positive connection 30 on main harness

(B275) Positive connection 87 on main harness

(B346) Connection 1 75 on main harness

(B518) Connection 86s on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Light switch Flashingturn light switch Headlight dipper and flasher switch Parking light switch Control unit of lights with windshield wiper functions

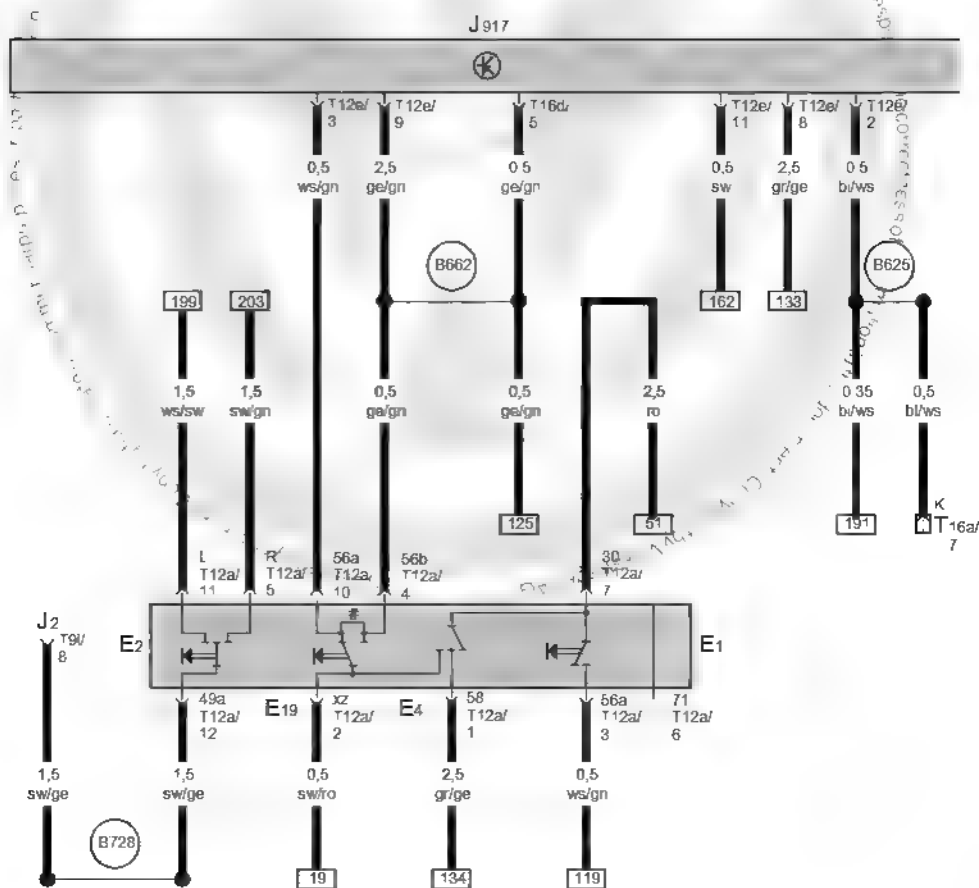
- E1 Light switch
- E2 Flashingturn light switch
- E4 Headlight dipper and flasher switch
- E19 Parking light switch
- J2 Hazard warning light relay
- J917 Control unit of lights with windshield wiper functions
- T9l Fitting connector 9pin on warning light relay
- T12a Fitting connector 12 poles in light switch
- T12e Fitting connector 12 poles on control unit of lights with windshield wiper functions
- T16a Fitting connector 16 poles in diagnosis
- T16d Fitting connector 16 poles on control unit of lights with windshield wiper functions

B625 Connection diagnostic cable K on main harness

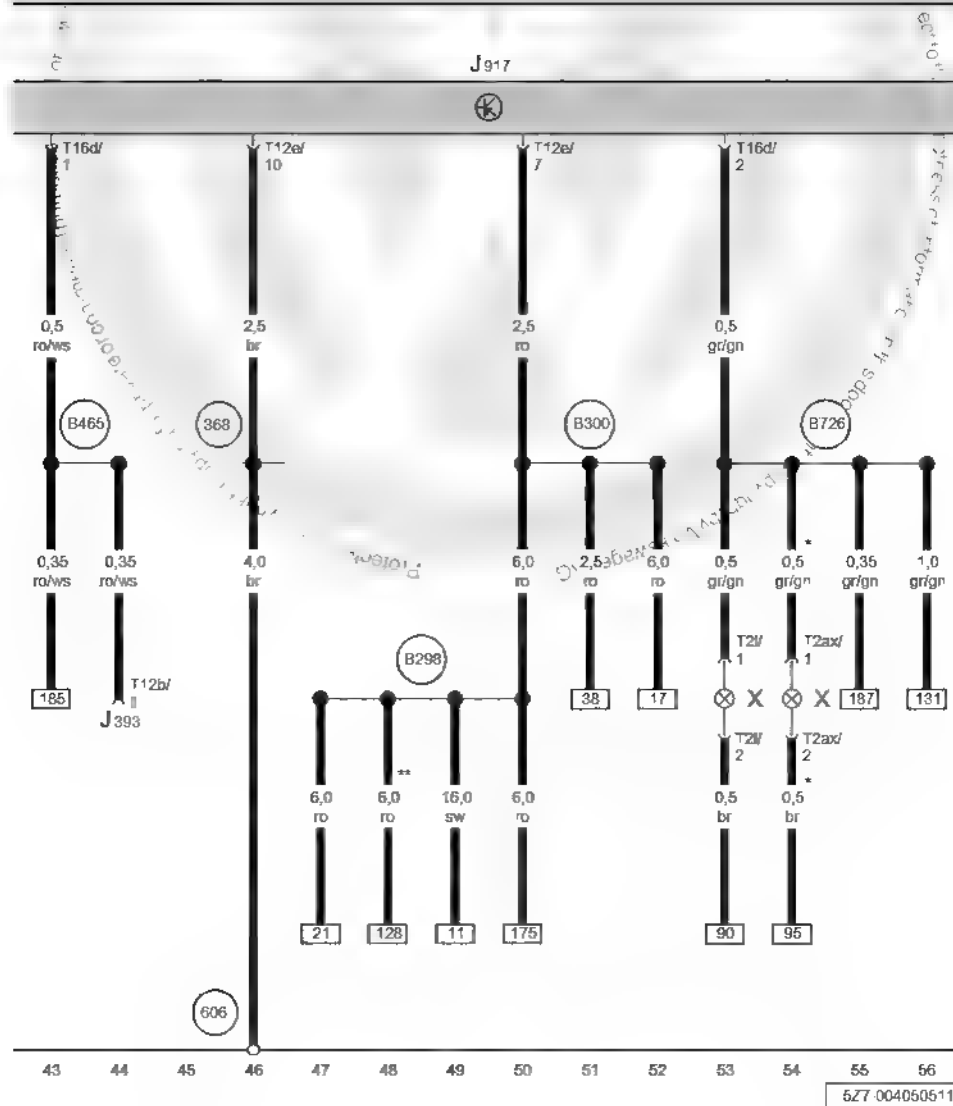
B662 Connection 2 56b on main harness

B728 Connection 49a on main harness

Twin headlights vehicles only



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Control unit for lighting and wiper functions Number plate light

- |      |  |
|------|--|
| J393 | Central control unit for the convenience system                                      |
| J917 | Control unit for lighting and wiper functions  |
| T2l  | Fitting connector 2pin in license plate light  |
| T2ax | Fitting connector 2pin in license plate light  |
| T12b | Fitting connector 12 poles on central control unit for the convenience system        |
| T12e | Fitting connector 12 poles on control unit of lights with windshield wiper functions |
| T16d | Fitting connector 16 poles on control unit of lights with windshield wiper functions |
| X    | License plate light  |

- |      |   |
|------|---|
| 368  | Earth connection 3 in main harness                            |
| 606  | Earth point under the centre console near the selection lever |
| B298 | Positive connection 2 30 on main harness                      |
| B300 | Positive connection 4 30 on main harness                      |
| B465 | Connection 1 on main harness                                  |
| B726 | Positive connection 2 58 on main harness                      |

Only for CROSS vehicles  
Only for vehicles with central locking

ws	white
sw	black
ro	red
br	brown
gn	green
bl	blue
gr	grey
li	purple
ge	yellow
or	orange
rs	pink



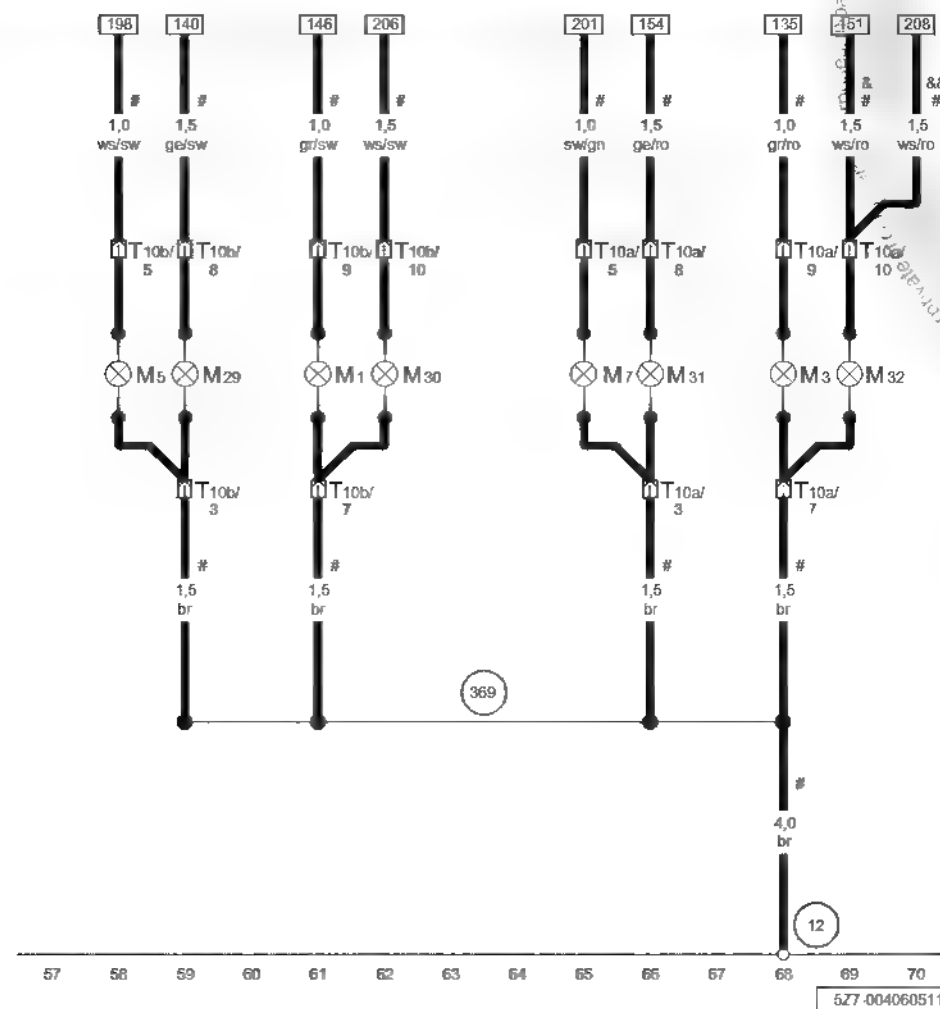
Left front side light lamp Right front side light lamp Left front indicator light lamp Right front indicator light lamp Left low beam lamp Left high beam lamp Right low beam lamp Right high beam lamp

- M1 Left front sidelight lamp
- M3 Right front sidelight lamp
- M5 Left front indicator light lamp
- M7 Right front indicator light lamp
- M29 Left low beam lamp
- M30 Left high beam lamp
- M31 Right low beam lamp
- M32 Right high beam lamp
- T10a Fitting connector 10 poles in right front indicator light lamp
- T10b Fitting connector 10 poles in left front indicator light lamp

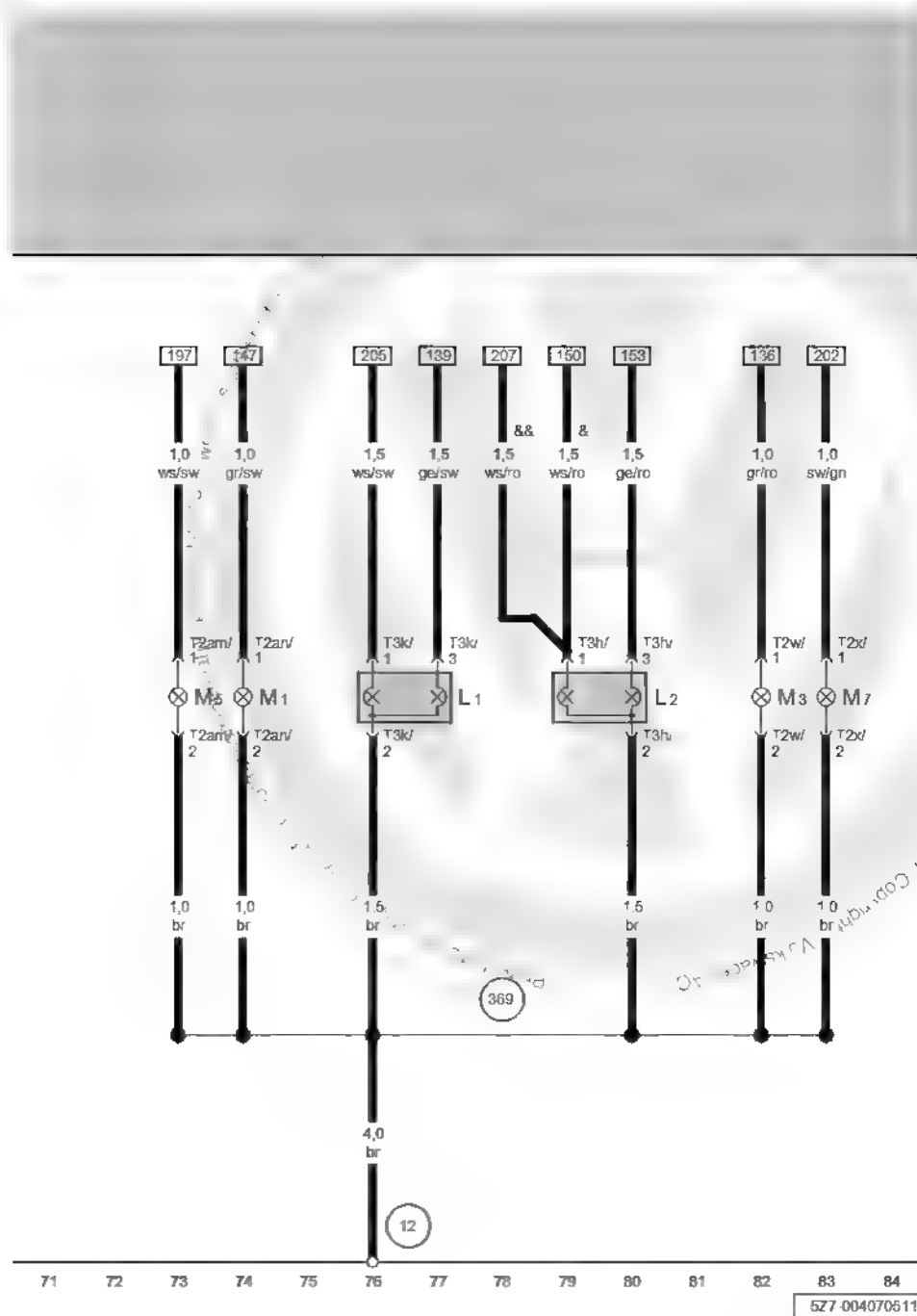
12 Earth point in engine compartment left

369 Earth connection 4 in main harness

Only for vehicles with twin headlights  
& Until May 2011  
&& From May 2011



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Left headlight twin filament bulb Right headlight twin filament bulb Left front side light lamp Right front side light lamp Left front indicator light lamp Right front indicator light lamp

- L1 Left headlight twin filament bulb
- L2 Right headlight twin filament bulb
- M1 Left front sidelight lamp
- M3 Right front sidelight lamp
- M5 Left front indicator light lamp
- M7 Right front indicator light lamp
- T3h Fitting connector 3pin on right headlight twin filament bulb
- T3k Fitting connector 3pin on left headlight twin filament bulb
- T2x Fitting connector 2pin in right front indicator light lamp
- T2w Fitting connector 2pin in right front sidelight lamp
- T2am Fitting connector 2pin in left front indicator light lamp
- T2an Fitting connector 2pin in left front sidelight lamp

12 Earth point in engine compartment left

369 Earth connection 4 in main harness

& Until May 2011

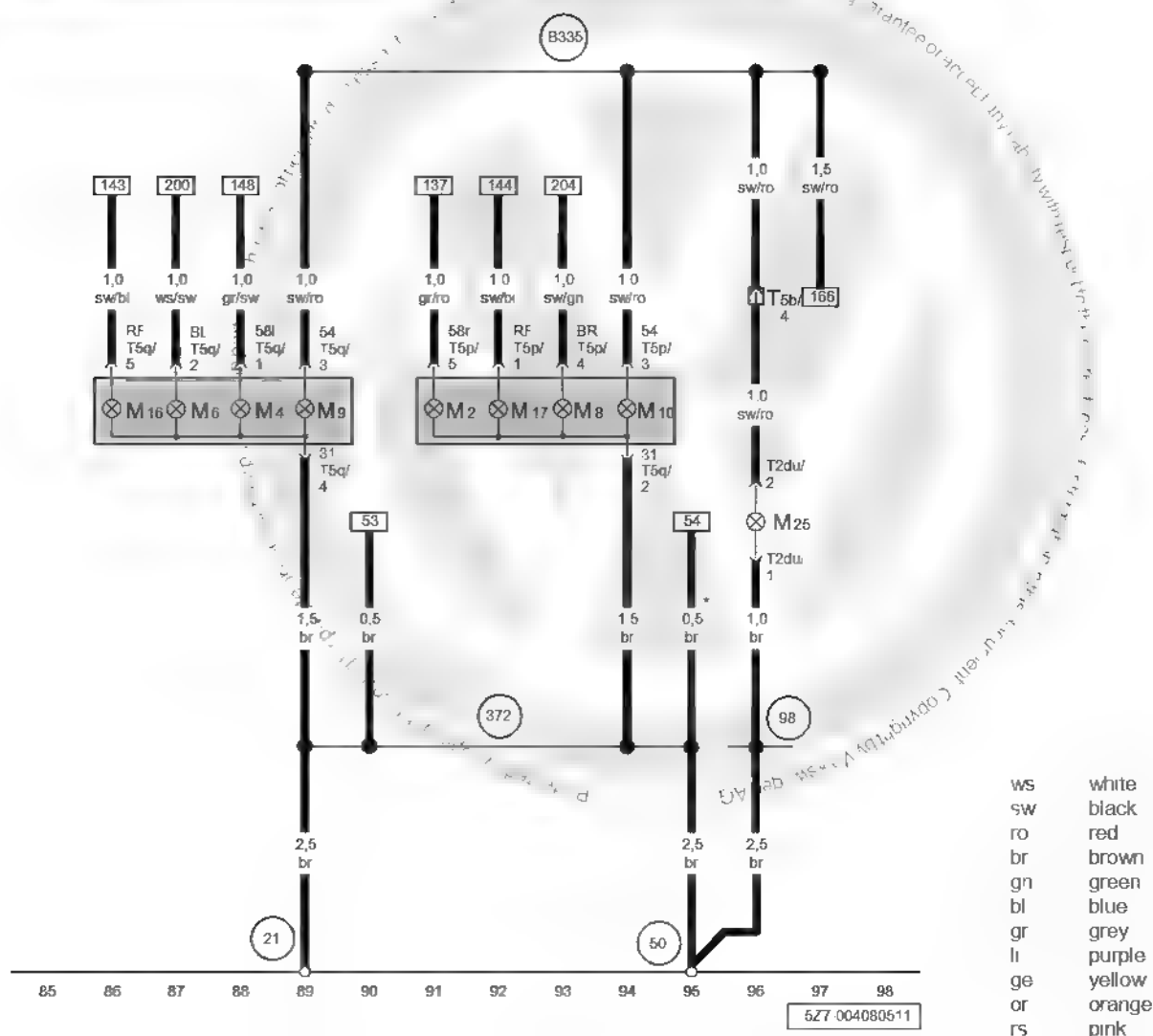
&& From May 2011

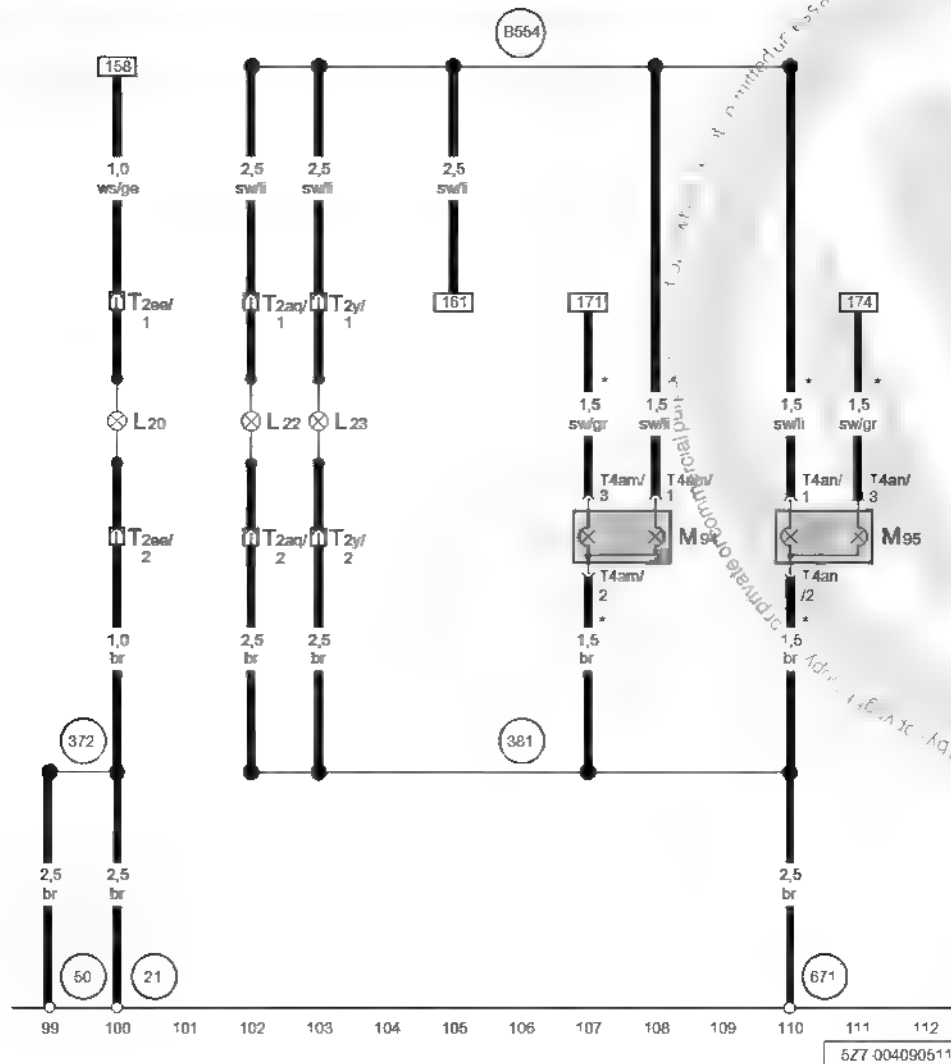
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

Right tail light lamp Left tail light lamp Left tail light lamp Left rear indicator light lamp Right rear indicator light lamp Left brake light bulb Right brake light bulb Left reversing light lamp Right reversing light lamp Lamp for 'brakelight'

- M2 Right tail light lamp
- M4 Left tail light lamp
- M6 Left rear indicator light lamp
- M8 Right rear indicator light lamp
- M9 Left brake light bulb
- M10 Right brake light bulb
- M16 Left reversing light lamp
- M17 Right reversing light lamp
- M25 Lamp for 'brakelight'
- T2du Fitting connector 2pin on lamp for 'brakelight'
- T5b Fitting connector 5pin behind rear left side lining near the wheelhouse
- T5p Fitting connector 5pin for Right tail light
- T5q Fitting connector 5pin for left tail light

- 21 Earth point near fuel pump
  - 50 Earth point on left luggage compartment
  - 98 Earth connection on rear lid wiring harness
  - 372 Earth connection 7 in main harness
  - B335 Connection 1 54 on main harness
- Only for CROSS vehicles





Rear fog light bulb Left fog light lamp Right fog light lamp  
Left main beam headlight and fog light bulb Right main beam headlight and fog light bulb

- L20 Rear fog light bulb
- L22 Left fog light lamp
- L23 Right fog light lamp
- M94 Left main beam headlight and fog light bulb
- M95 Right main beam headlight and fog light bulb
- T2y Fitting connector 2pin in right fog light lamp
- T2aq Fitting connector 2pin in left fog light lamp
- T2ee Fitting connector 2pin in Rear fog light lamp
- T4am Fitting connector 4pin on left main beam headlight and fog light bulb
- T4an Fitting connector 4pin on right main beam headlight and fog light bulb

- 21 Earth point near fuel pump
  - 50 Earth point on left luggage compartment
  - 372 Earth connection 7 in main harness
  - 381 Earth connection 16 in main harness
  - 671 Earth point 1 on left front longitudinal member
  - B554 Connection fog light on main harness
- Only for CROSS vehicles

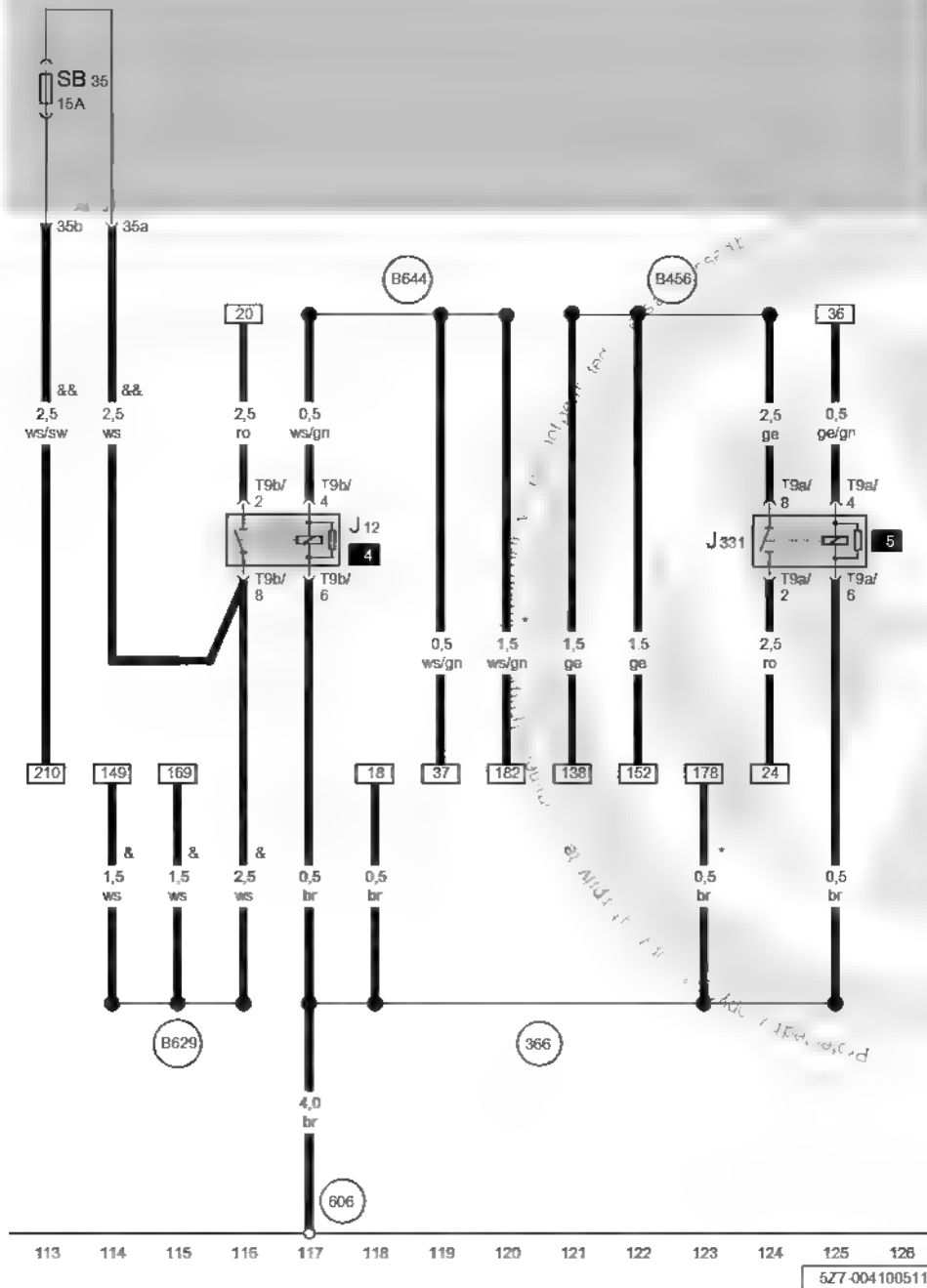
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

Headlight main beam relay Dipped beam relay

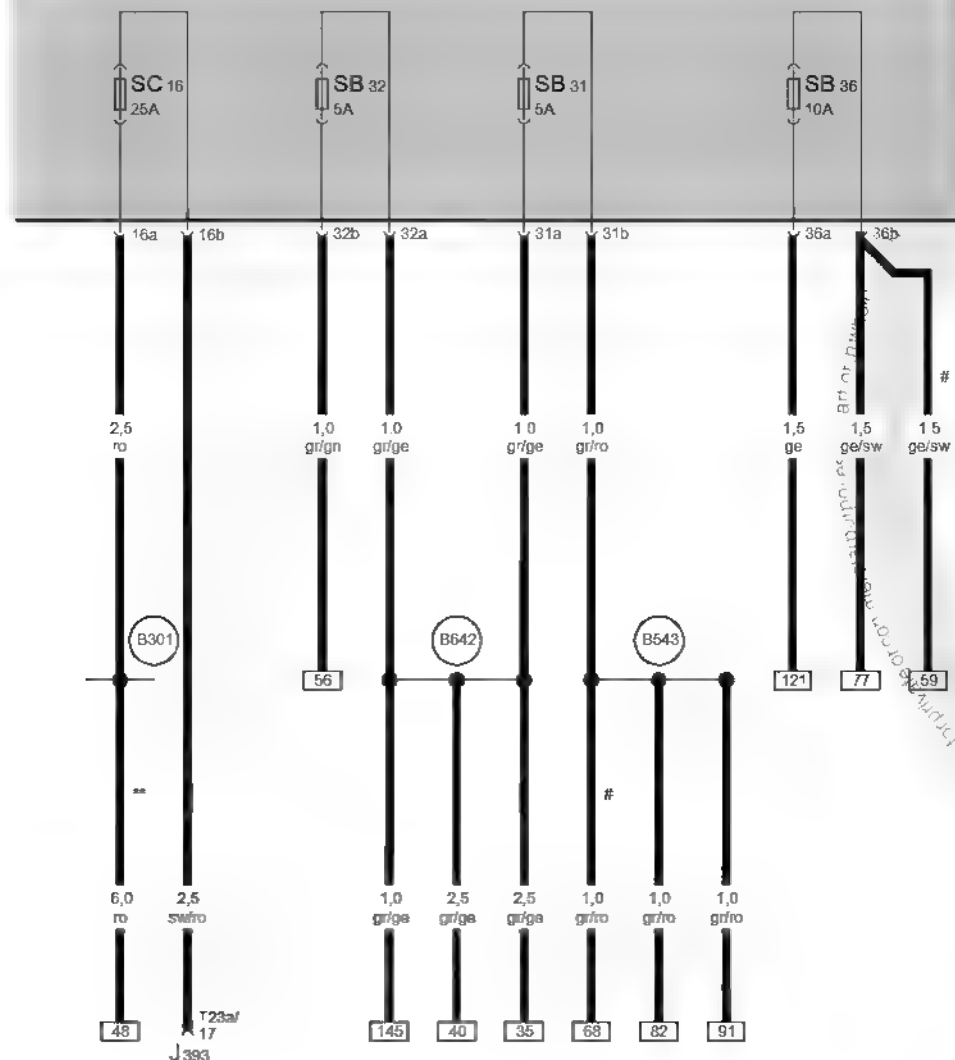
- J12 Headlight main beam relay
- J331 Dipped beam relay
- SB35 Fuse 35 on fuse holder B
- T9a Fitting connector 9pin in dipped beam relay
- T9b Fitting connector 9pin in headlight main beam relay

- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B456 Connection 56b on main harness
- B629 Connection 56a on main harness
- B644 Connection 3 56a on main harness

Only for CROSS vehicles  
 & Until May 2011  
 && From May 2011



- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink



# Fuses

- J393 Central control unit for the convenience system
- SC16 Fuse 16 on fuse holder C
- SB31 Fuse 31 on fuse holder B
- SB32 Fuse 32 on fuse holder B
- SB36 Fuse 36 on fuse holder B
- T23a Fitting connector 23 poles on central control unit for the convenience system

B301 Positive connection 5 30 on main harness

B543 Positive connection 58R on main harness

B642 Positive connection 58 on main harness

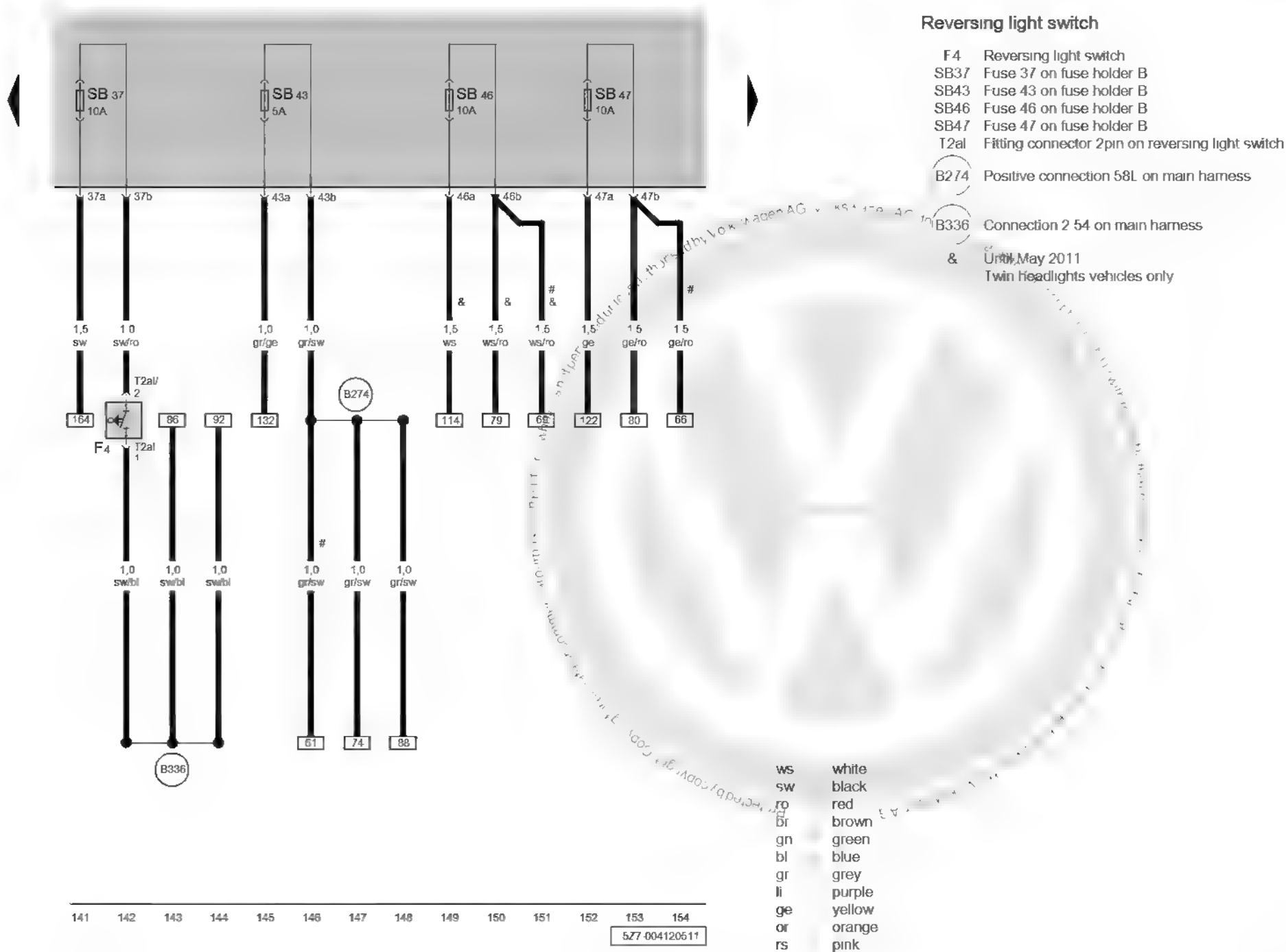
Only for vehicles with twin headlights  
Only for vehicles with central locking

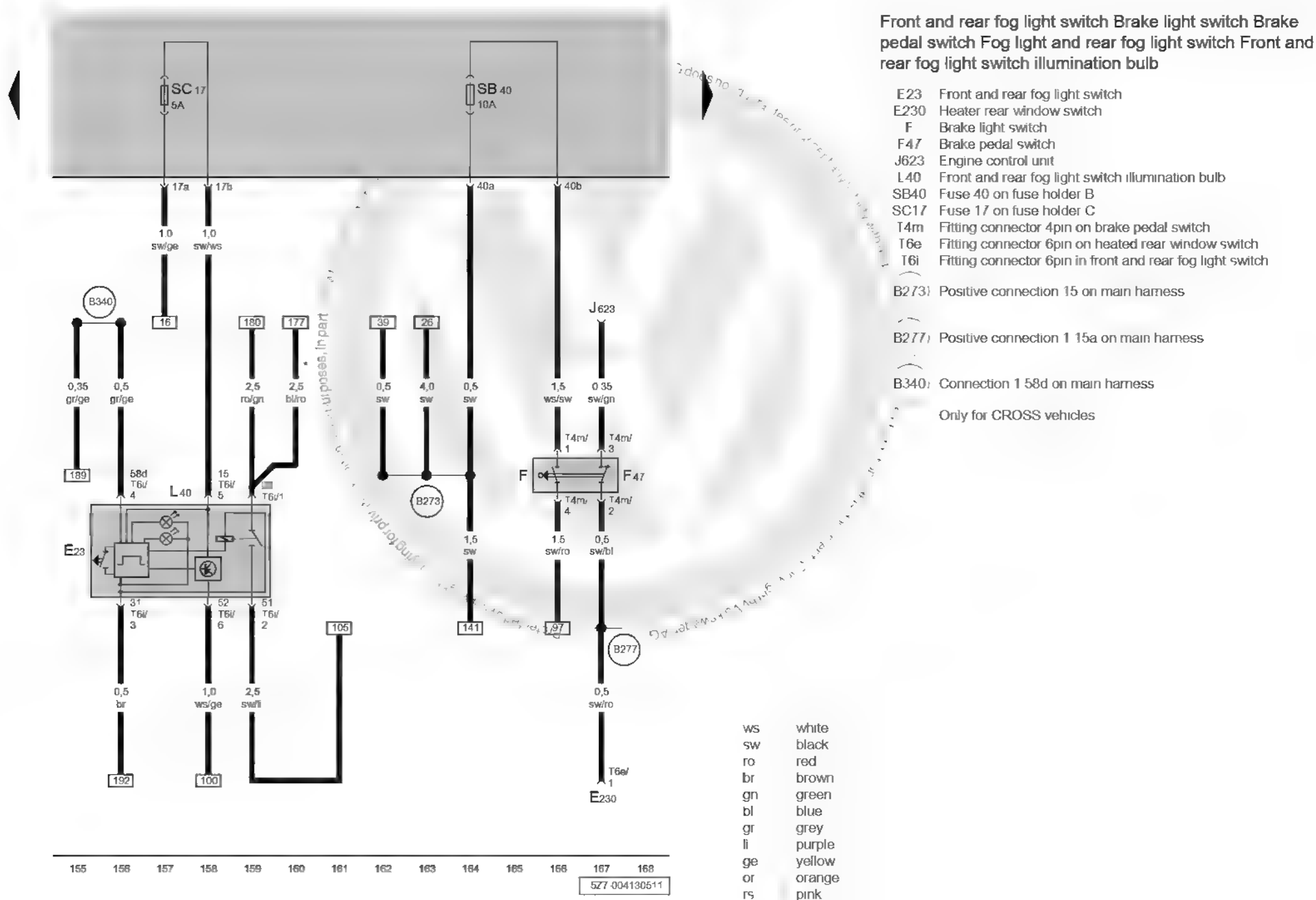
127 128 129 130 131 132 133 134 135 136 137 138 139 140

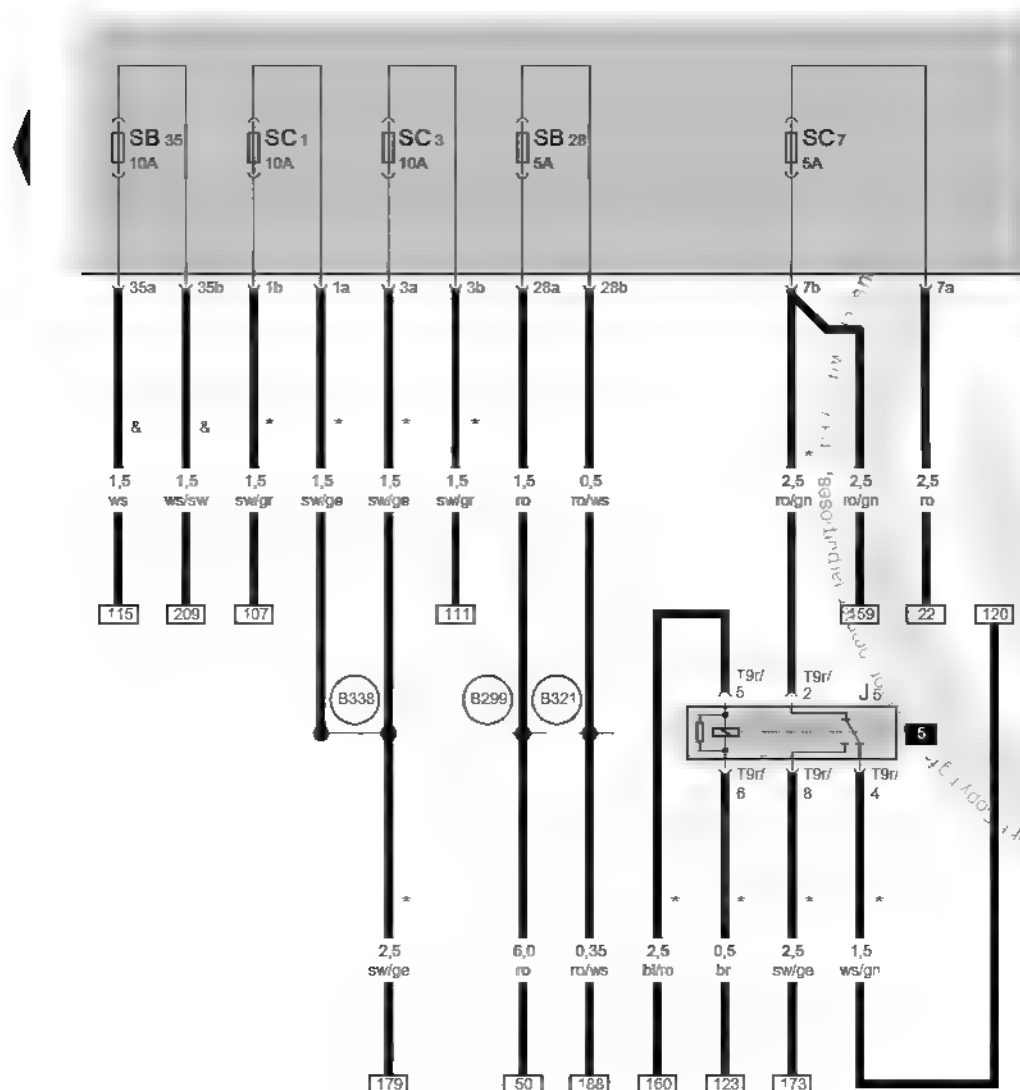
527 004110511

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink









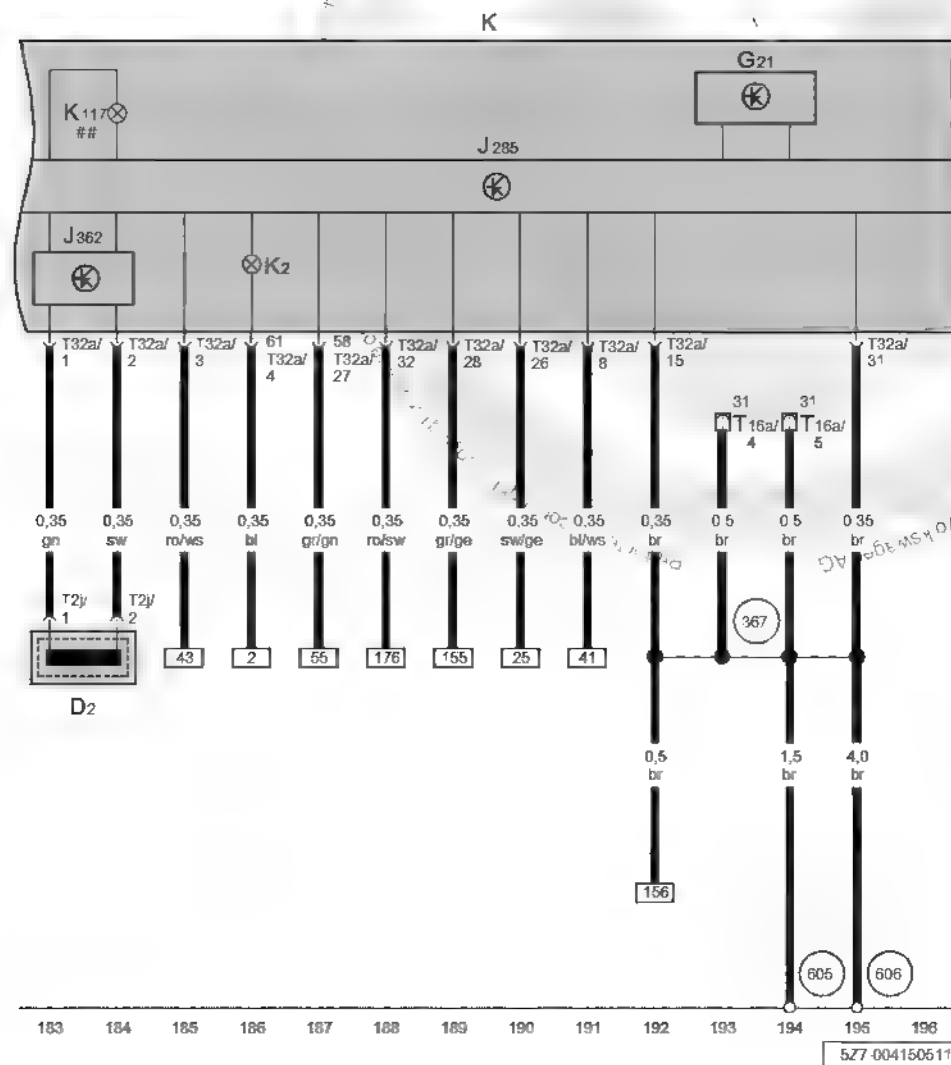
# Fog light relay

- J5 Fog light relay
- SB28 Fuse 28 on fuse holder B
- SB35 Fuse 35 on fuse holder B
- SC1 Fuse 1 on fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- T9r Fitting connector 9pin for fog light relay
- (B299) Positive connection 3 30 on main harness
- (B321) Positive connection 7 30a on main harness
- (B338) Connection 1 56 on main harness
- & Only for CROSS vehicles  
Until May 2011

ws = white  
 sw = black  
 ro = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 ge = yellow  
 or = orange  
 rs = pink

169 170 171 172 173 174 175 176 177 178 179 180 181 182

5Z7 004140511

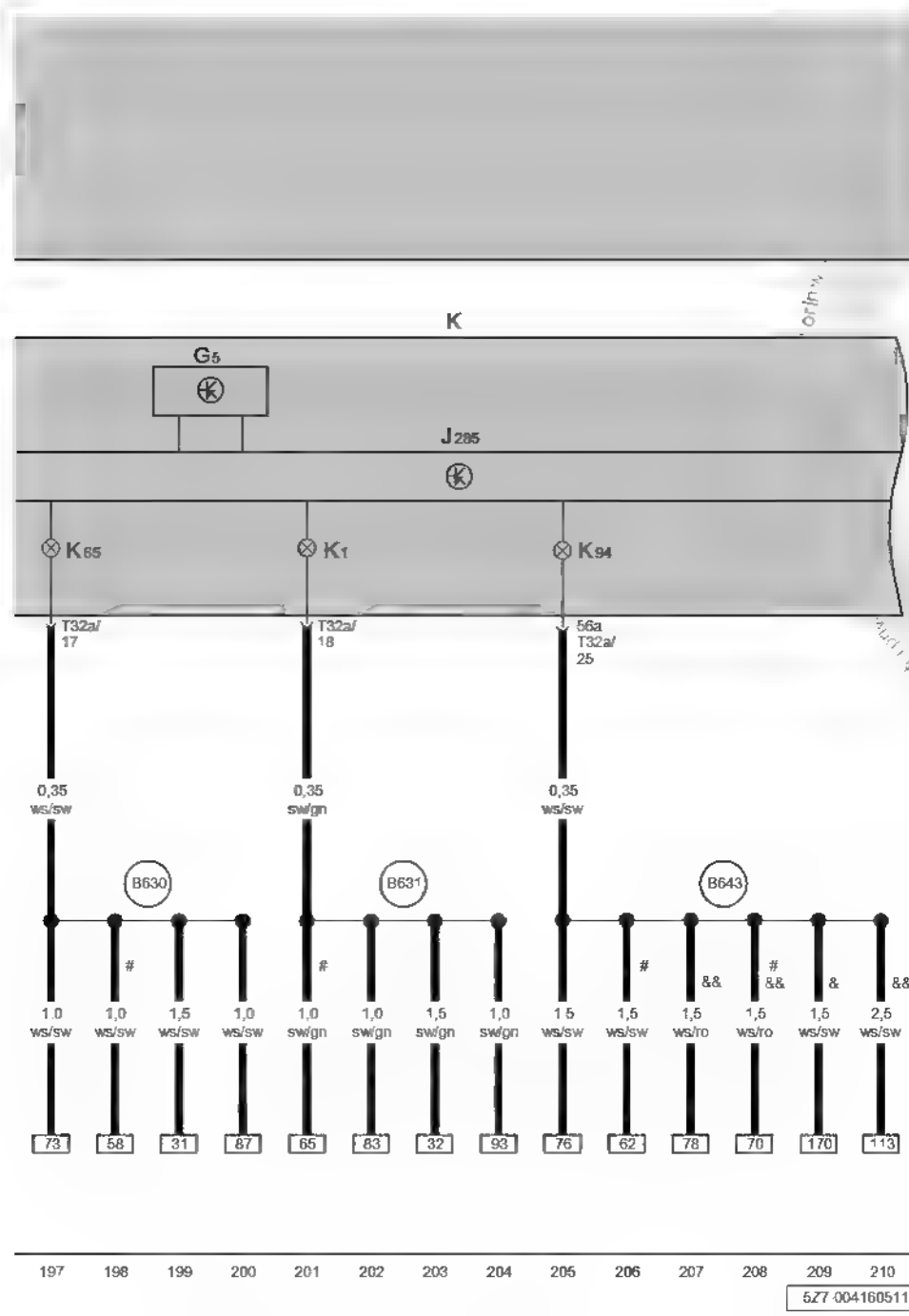


Immobilizer reading coil  
Speedometer  
Control unit w indicator on the combined instrument  
Immobilizer control unit  
Combined instrument  
Alternator control light  
Immobilizer warning lamp

- D2 Immobilizer reading coil
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- J362 Immobilizer control unit
- K Combined instrument
- K2 Alternator control light
- K117 Immobilizer control light
- T16a Fitting connector 2pin in Immobilizer reading coil
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

- 367 Earth connection 2 in main harness
- 605 Earth point in upper steering column area
- 606 Earth point under the centre console near the selection lever

Until December 2010



Tachometer Control unit w indicator on the combined instrument  
 Combined instrument High beam control light Left turn signal control light Right turn signal control light

- G5 Tachometer
- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- K1 High beam control light
- K65 Left turn signal control light
- K94 Right turn signal control light
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

(B630) Connection turn signal left on main harness

(B631) Connection turn signal right on main harness

(B643) Connection 2 56a on main harness

Only for vehicles with twin headlights

& Until May 2011

&& From May 2011

## Automatic manual transmission

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

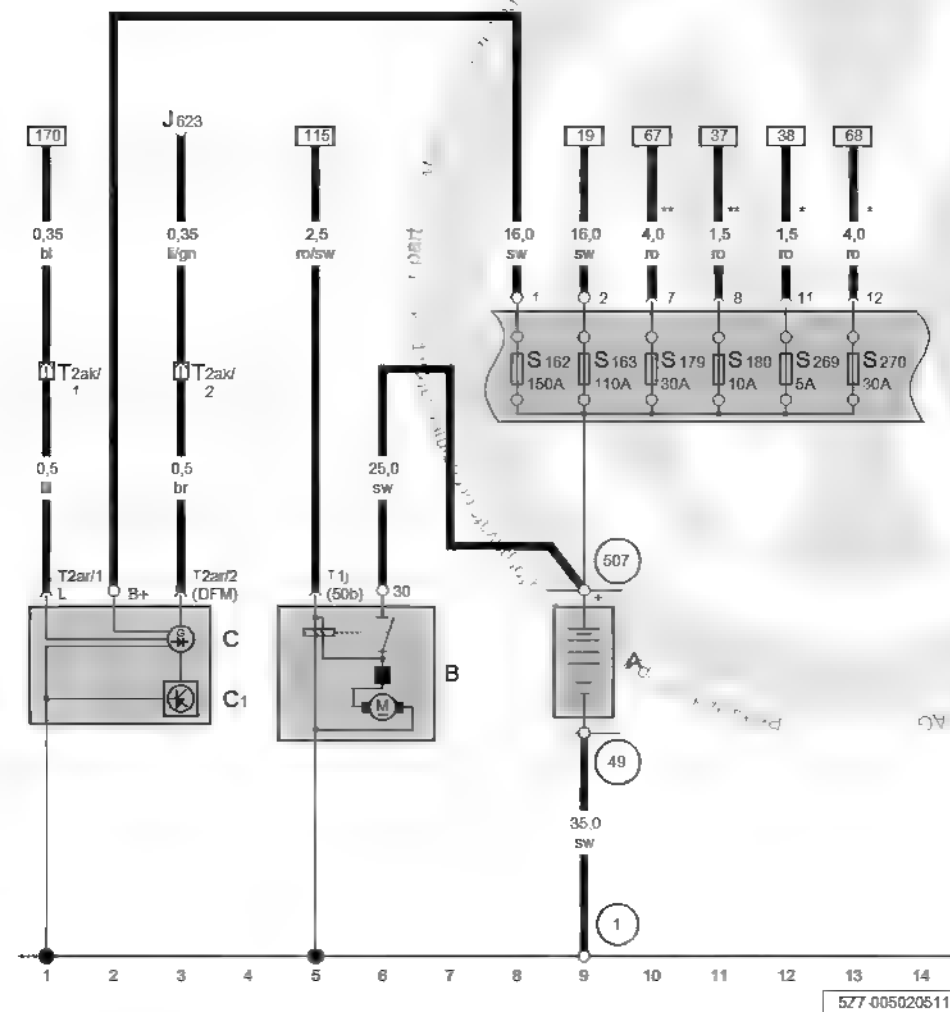
➤ See fitting locations

For information about

◆ Assisted fault pinpointing

➤ See Guided functions





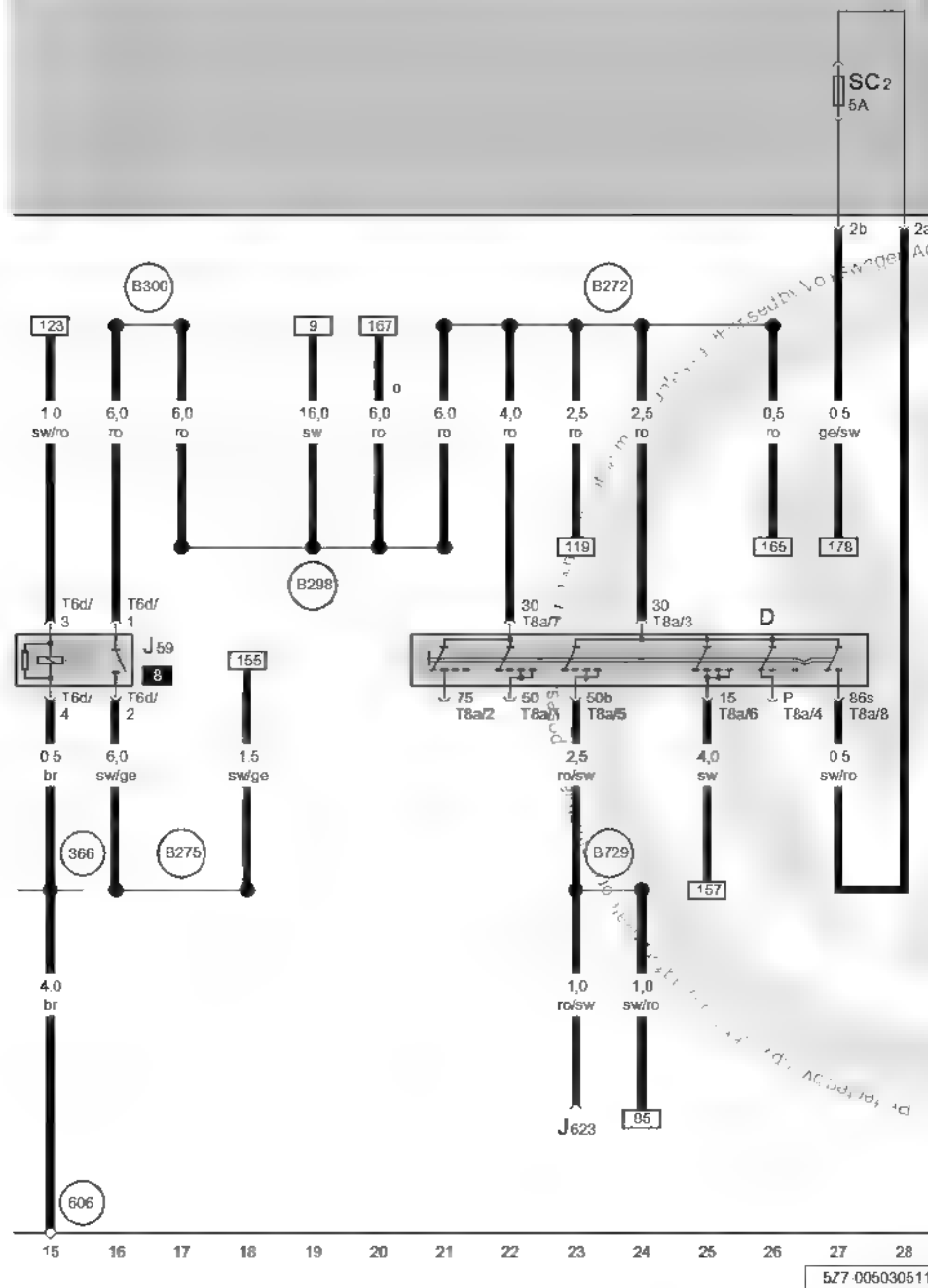
Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- S179 Fuse 7 30 in battery fuse holder
- S180 Fuse 8 30 in battery fuse holder
- S269 Fuse 11 30 in battery fuse holder
- S270 Fuse 12 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- 1 ) Earth strap battery body
- 49 ) Earth point near the battery
- (507) Screw connection 30 battery fuse holder

Until February 2011  
From February 2011

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



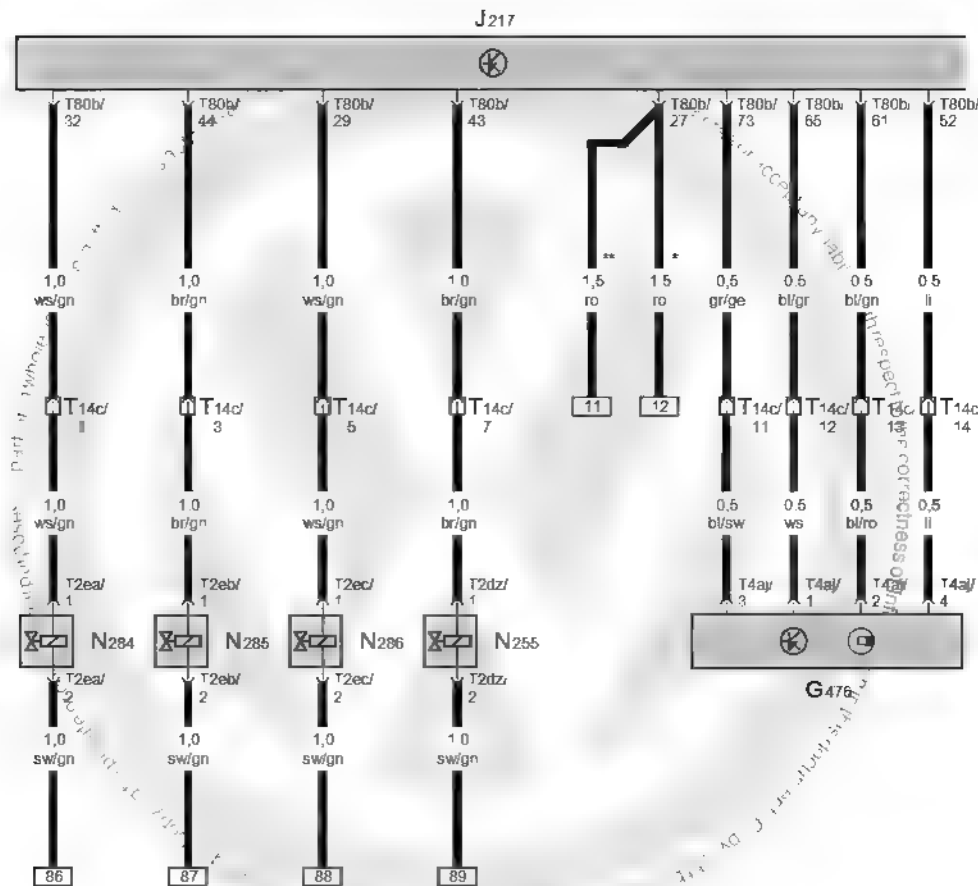
# Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Light switch
- J623 Engine control unit
- SC2 Fuse 2 on fuse holder C
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch

- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B272 Positive connection 30 on main harness
- B275 Positive connection 87 on main harness
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B729 Connection 1 50 on main harness
- Only for vehicles with interactive system

- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink





Clutch position sensor Automatic transmission control unit  
Clutch actuator valve Gear selection valve 1 Gear selection  
valve 2 Gear selection valve 3

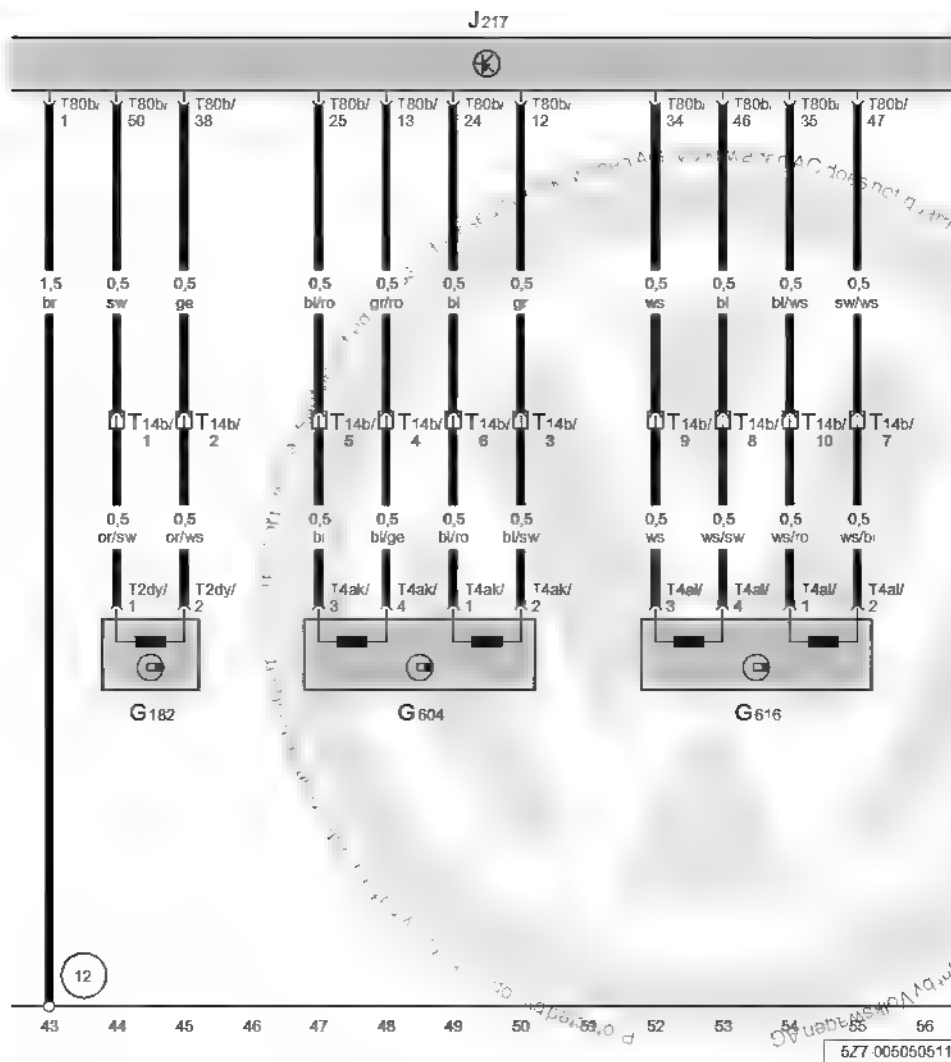
- G476 Clutch position sensor
- J217 Automatic transmission control unit
- N255 Clutch actuator valve
- N284 Gear selection valve 1
- N285 Gear selection valve 2
- N286 Gear selection valve 3
- T2dz Fitting connector 2pin on clutch actuator valve
- T2ea Fitting connector 2pin on gear selection valve 1
- T2eb Fitting connector 2pin on gear selection valve 2
- T2ec Fitting connector 2pin on gear selection valve 3
- T4aj Fitting connector 4pin on clutch position sensor
- T14c Fitting connector 14 poles under gearshift mechanism cover
- T80b Fitting connector 80 poles on automatic transmission control unit
- Until February 2011
- From February 2011

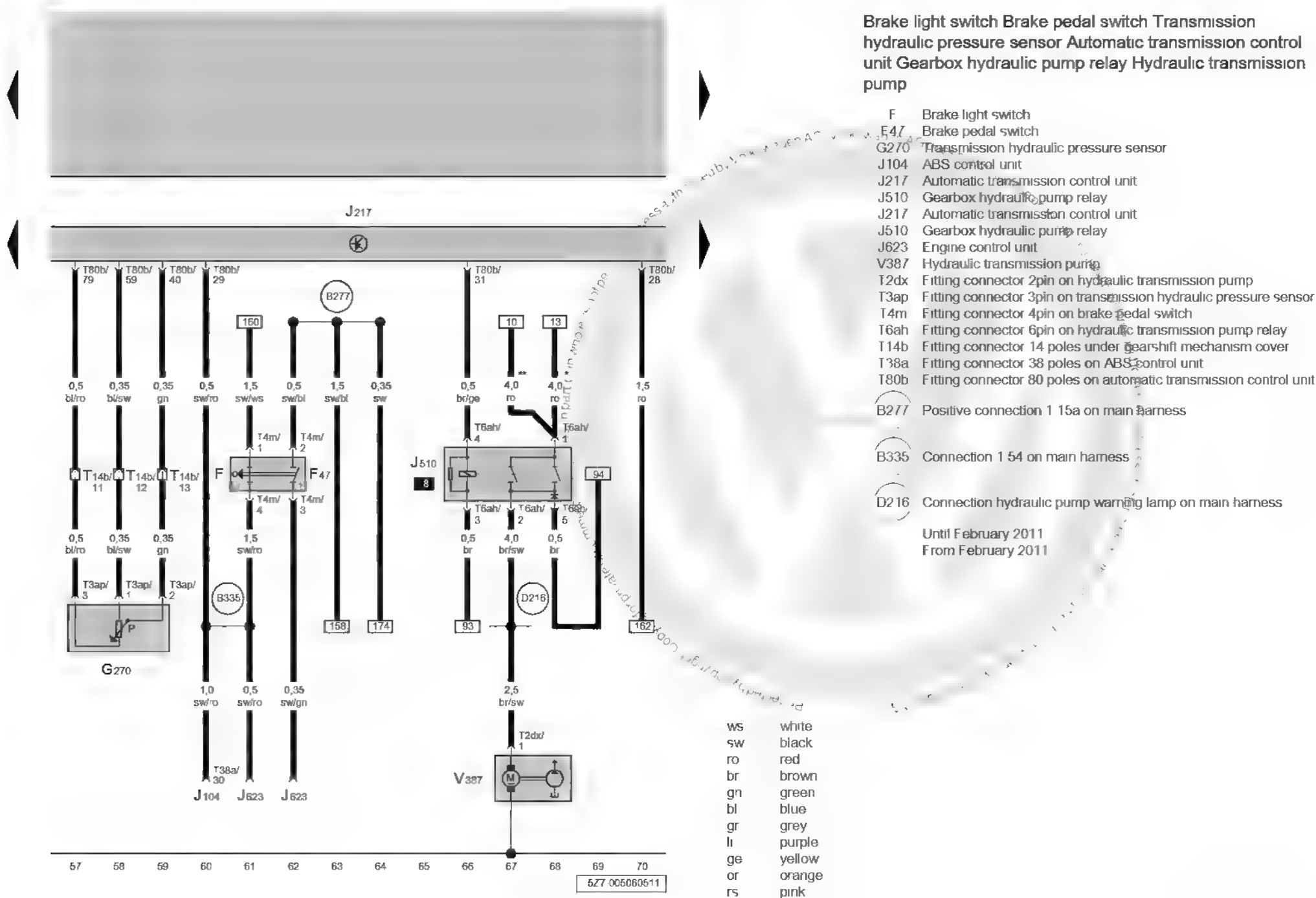
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

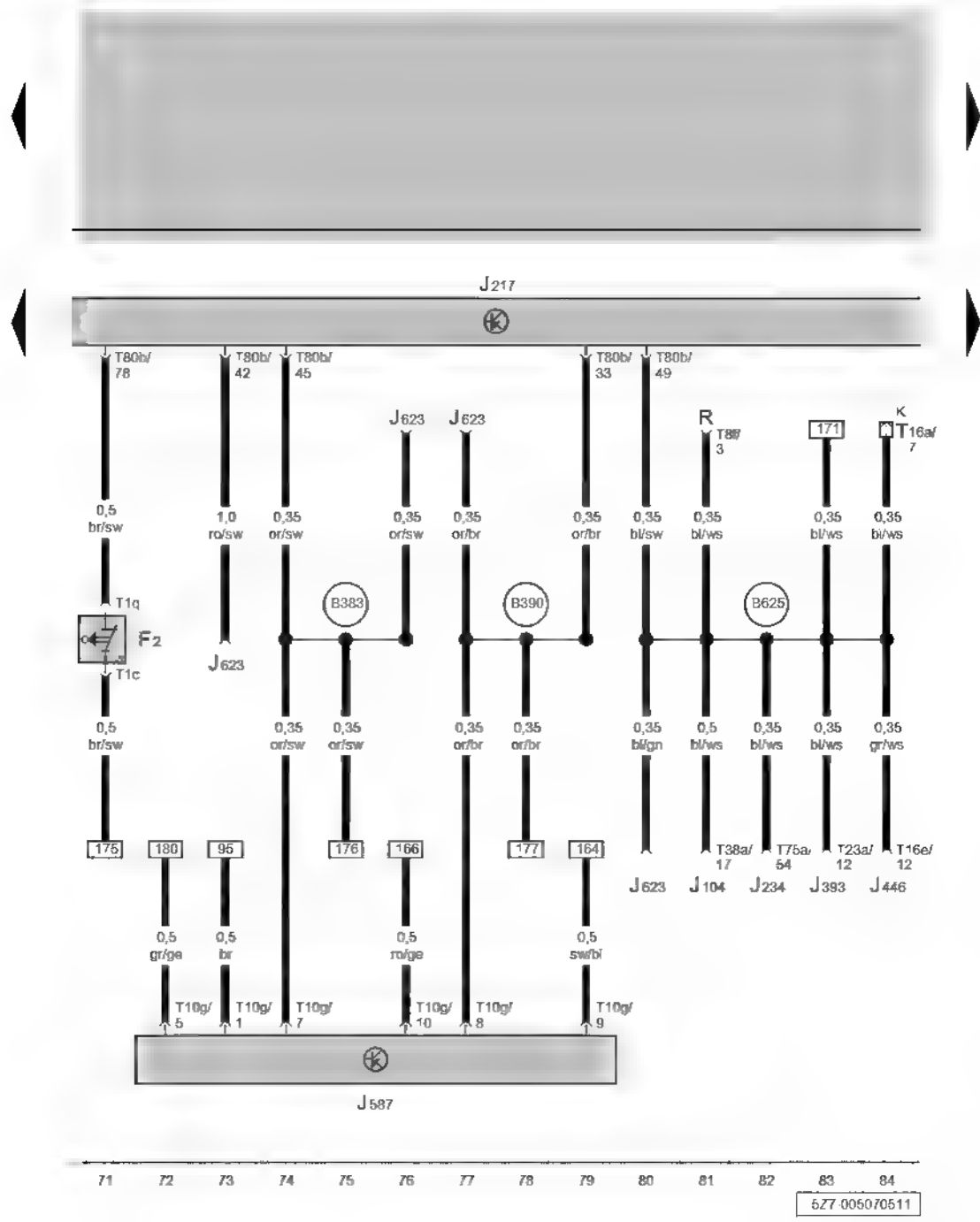
Transmission rotation sensor Gear identification sensor  
Gear identification sensor 2 Automatic transmission control unit

- G182 Transmission rotation sensor
- G604 Gear identification sensor
- G616 Gear identification sensor 2
- J217 Automatic transmission control unit
- T2dy Fitting connector 2pin on gearbox input speed sender
- T4ak Fitting connector 4pin on gear identification sensor
- T14b Fitting connector 14 poles under gearshift mechanism cover
- T80b Fitting connector 80 poles on automatic transmission control unit

12 Earth point in engine compartment left







Driver door contact switch Automatic transmission control unit Selector lever sensor control unit

- F2 Driver door contact switch
- J104 ABS control unit
- J217 Automatic transmission control unit
- J234 Airbag control unit
- J393 Central control unit for the convenience system
- J446 Control unit for parking aid
- J587 The Selector lever sensor control unit
- J623 Engine control unit
- R Radio
- T1c Fitting connector single on Driver door contact switch
- T1q Fitting connector single on Driver door contact switch
- T8f Fitting connector 8pin on radio
- T10g Fitting connector 10 poles on selector lever sensor control unit
- T16a Fitting connector 16 poles in diagnosis
- T16e Fitting connector 16 poles on control unit for parking aid
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T38a Fitting connector 38 poles on ABS control unit
- T75a Fitting connector 75 poles on airbag control unit
- T80b Fitting connector 80 poles on automatic transmission control unit

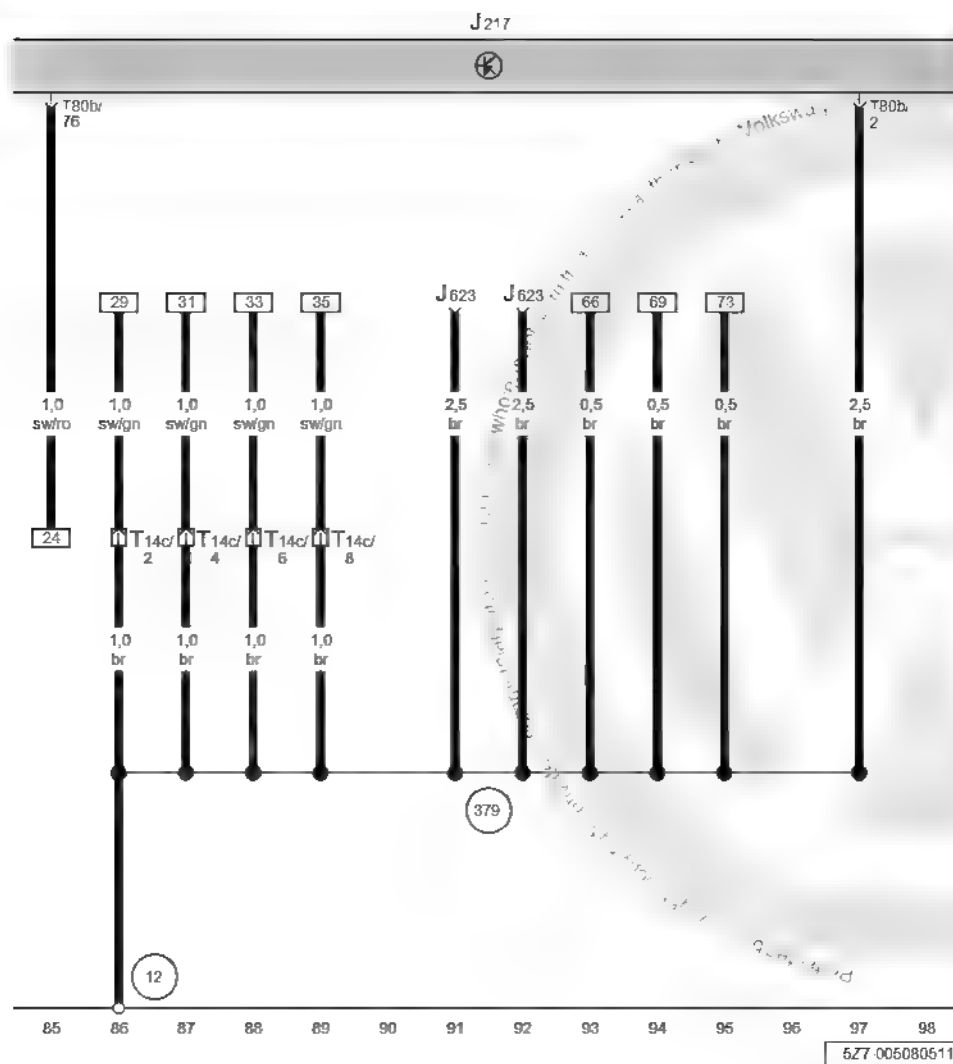
- (B383) Connection 1 CANbus 'high' command on main harness
- (B390) Connection 1 CANbus 'low' command on main harness
- (B625) Connection diagnostic cable K on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

Automatic transmission control unit

- J217 Automatic transmission control unit
- J623 Engine control unit
- T14c Fitting connector 14 poles under gearshift mechanism cover
- T80b Fitting connector 80 poles on automatic transmission control unit

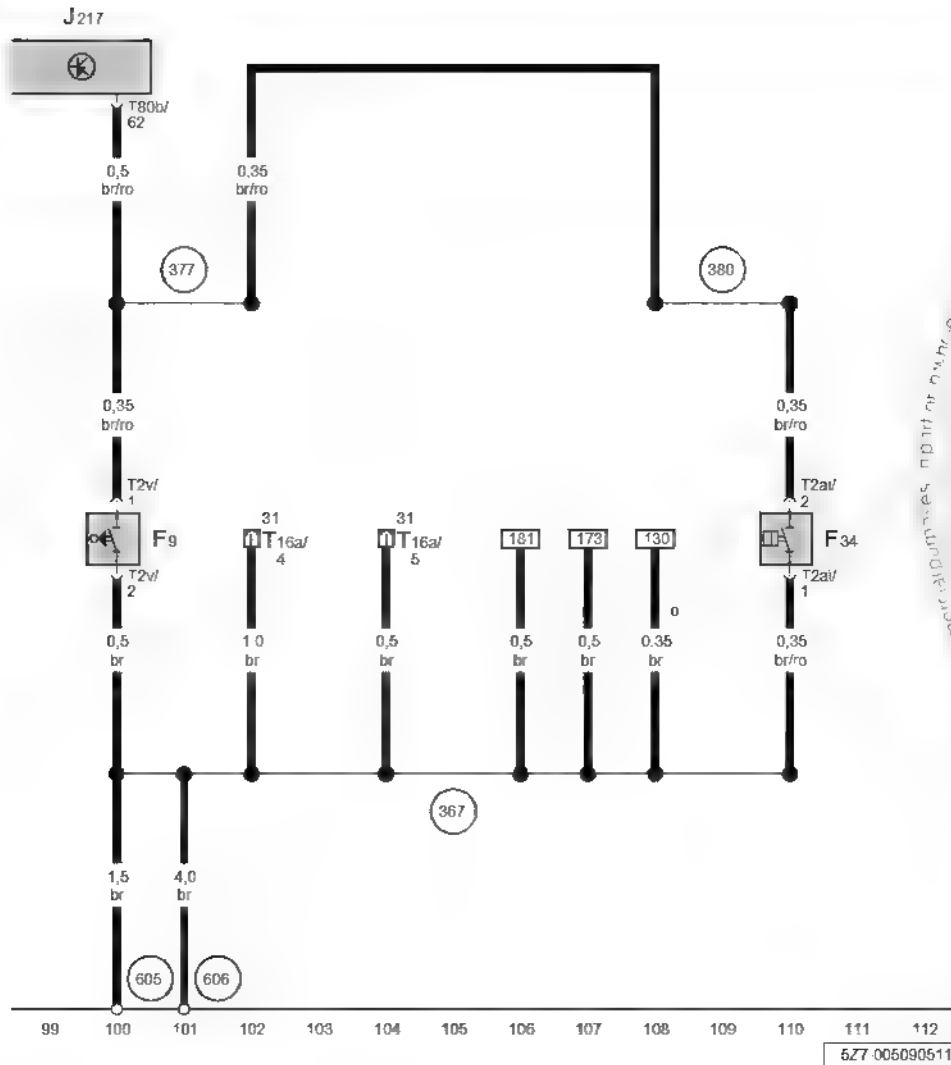
- 12 Earth point in engine compartment left
- 379 Earth connection 14 in main harness



Park brake control switch Brake oil level warning contact  
Automatic transmission control unit

- F9 Handbrake warning switch
- F34 Brake oil level warning contact
- J217 Automatic transmission control unit
- T2v Fitting connector 2pin on Park brake control switch
- T2a Fitting connector 2pin on Brake oil level warning contact
- T16a Fitting connector 16 poles in diagnosis
- T80b Fitting connector 80 poles on automatic transmission control unit

- 367 Earth connection 2 in main harness
  - 377 Earth connection 12 in main harness
  - 380 Earth connection 15 in main harness
  - 605 Earth point in upper steering column area
  - 606 Earth point under the centre console near the selection lever
- Only for vehicles with buttons on steering wheel for radio command



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

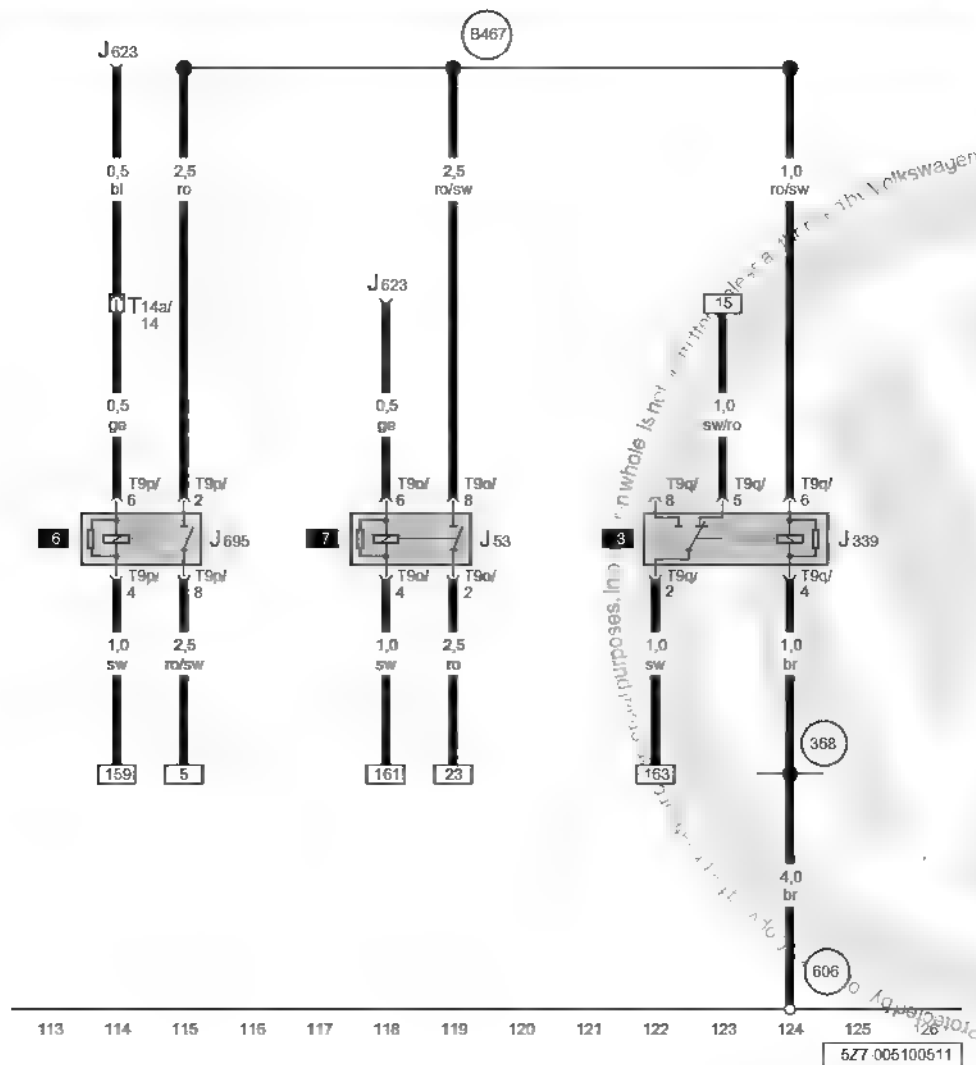
Starter motor relay X contact relief relay 2 Starter motor relay 2

- J53 Starter motor relay
- J339 X contact relief relay 2
- J623 Engine control unit
- J695 Starter motor relay 2
- T9o Fitting connector 9pin on starter relay
- T9p Fitting connector 9pin on starter relay 2
- T9q Fitting connector 9pin in Xcontact relief relay 2
- T14a Fitting connector 14 poles on left engine compartment

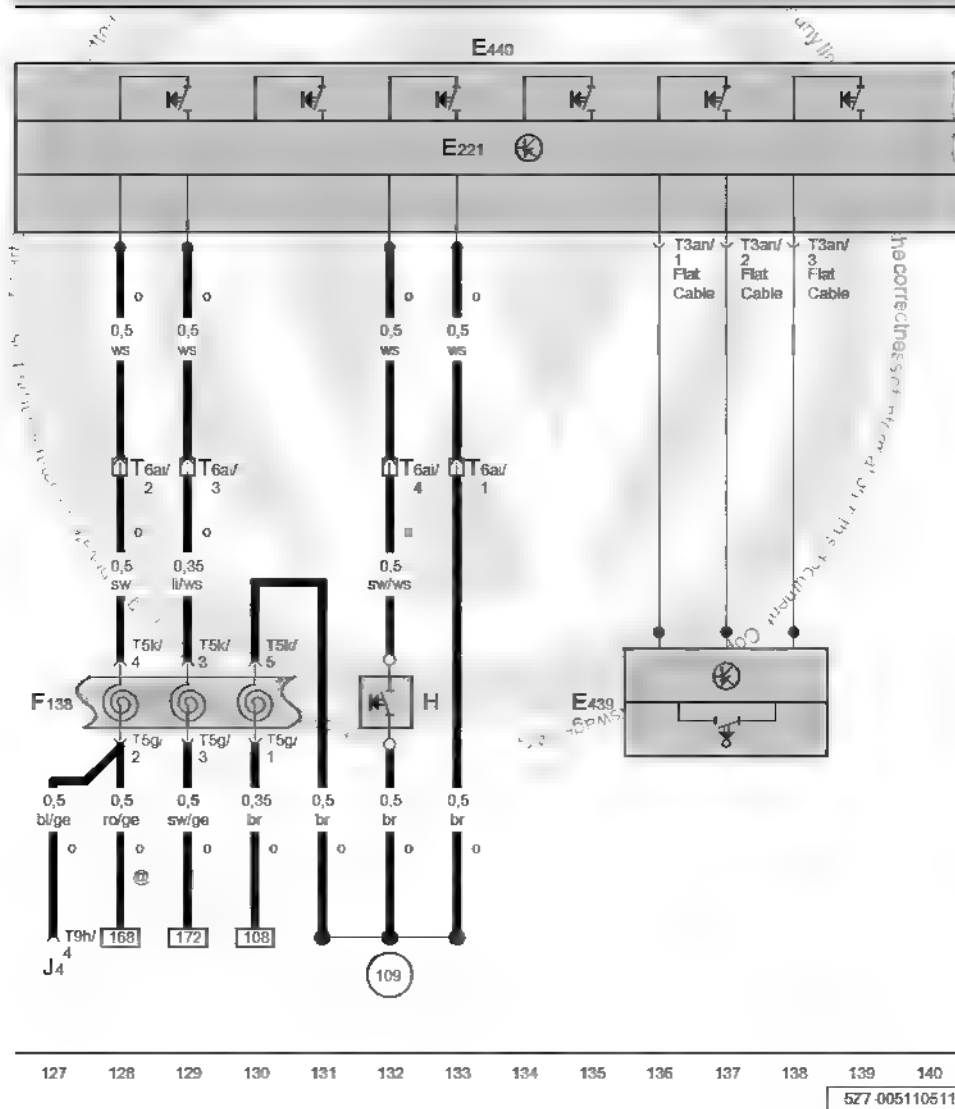
368 Earth connection 3 in main harness

606 Earth point under the centre console near the selection lever

B467 Connection 3 on main harness



- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink



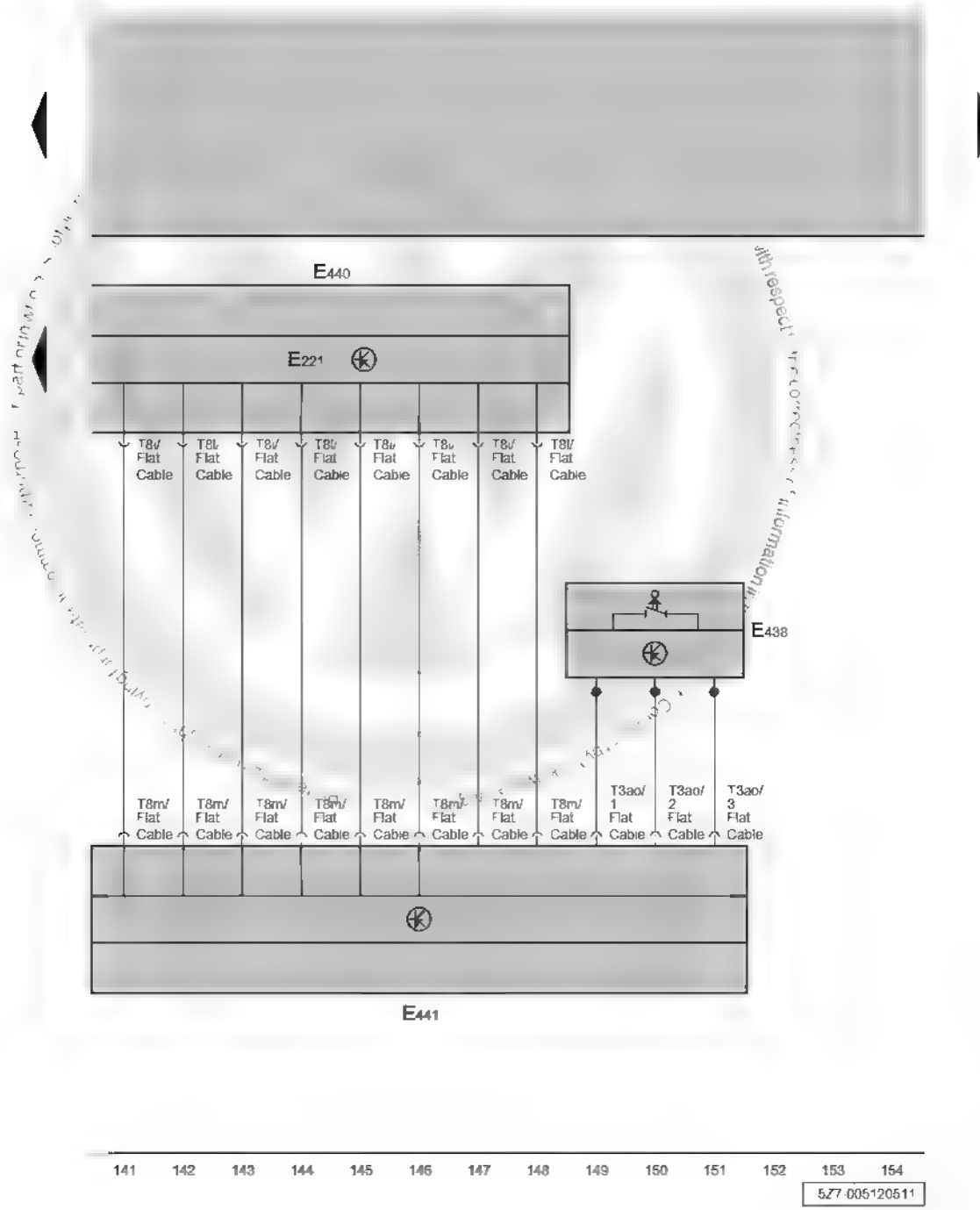
Control unit on the steering wheel 'Tiptronic' downshift switch on the steering wheel Multifunction controls on the left side of the steering wheel Airbag coil connector and return ring with slip ring Horn actuator

- E221 Control unit on the steering wheel
- E439 'Tiptronic' downshift switch on the steering wheel
- E440 Multifunction controls on the left side of the steering wheel
- F138 Airbag coil connector and return ring with slip ring
- H Horn activator
- J4 Dual tone horn relay
- T3an Fitting connector 3pin on multifunction controls on the left side of the steering wheel
- T5g Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T5k Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T6a Fitting connector 6pin in steering wheel
- T9h Fitting connector 9pin in dual tone horn relay
- 109 Earth connection in the airbag wiring harness

Only for vehicles with interactive system  
Only for vehicles with buttons on steering wheel for radio command

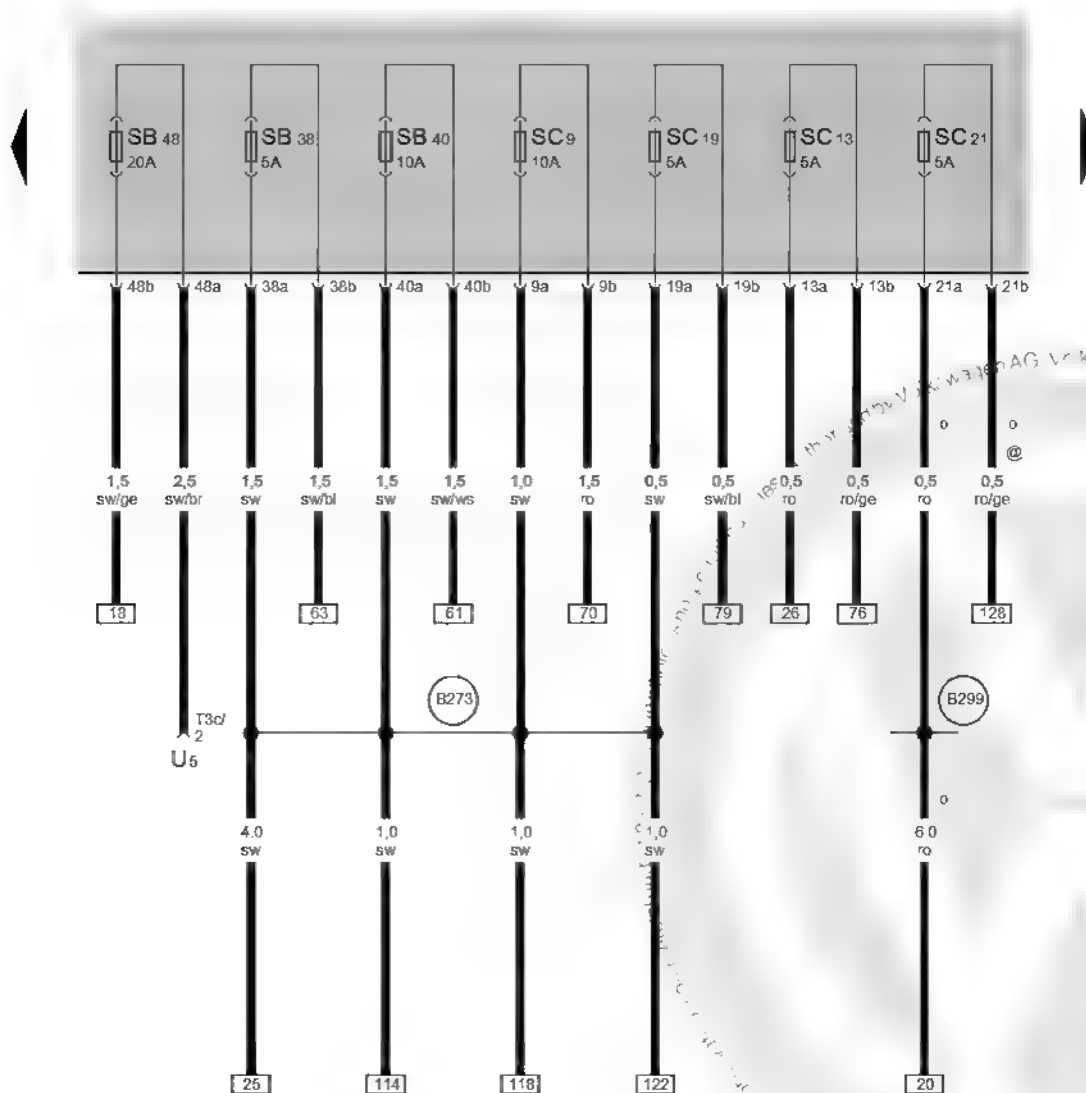
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink





Control unit on the steering wheel 'Tiptronic' up shift switch on the steering wheel Multifunction controls on the left side of the steering wheel Multifunction controls on the right side of the steering wheel

- E221 Control unit on the steering wheel
- E438 'Tiptronic' up shift switch on the steering wheel
- E440 Multifunction controls on the left side of the steering wheel
- E441 Multifunction controls on the right side of the steering wheel
- T3ao Fitting connector 3pin on multifunction controls on the right side of the steering wheel
- T8l Fitting connector 8pin on multifunction controls on the left side of the steering wheel
- T8m Fitting connector 8pin on multifunction controls on the right side of the steering wheel



# Fuses

- SC9 Fuse 9 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- SB38 Fuse 38 on fuse holder B
- SB40 Fuse 40 on fuse holder B
- SB48 Fuse 48 on fuse holder B
- T3c Fitting connector 3pin on 12volt socket
- U5 12volt socket

(B273) Positive connection 15 on main harness

(B299) Positive connection 3 30 on main harness

Only for vehicles with interactive system

Only for vehicles with buttons on steering wheel for radio command

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

527-005130511

Tachometer Speedometer Control unit w indicator on the combined instrument Combined instrument Alternator control light

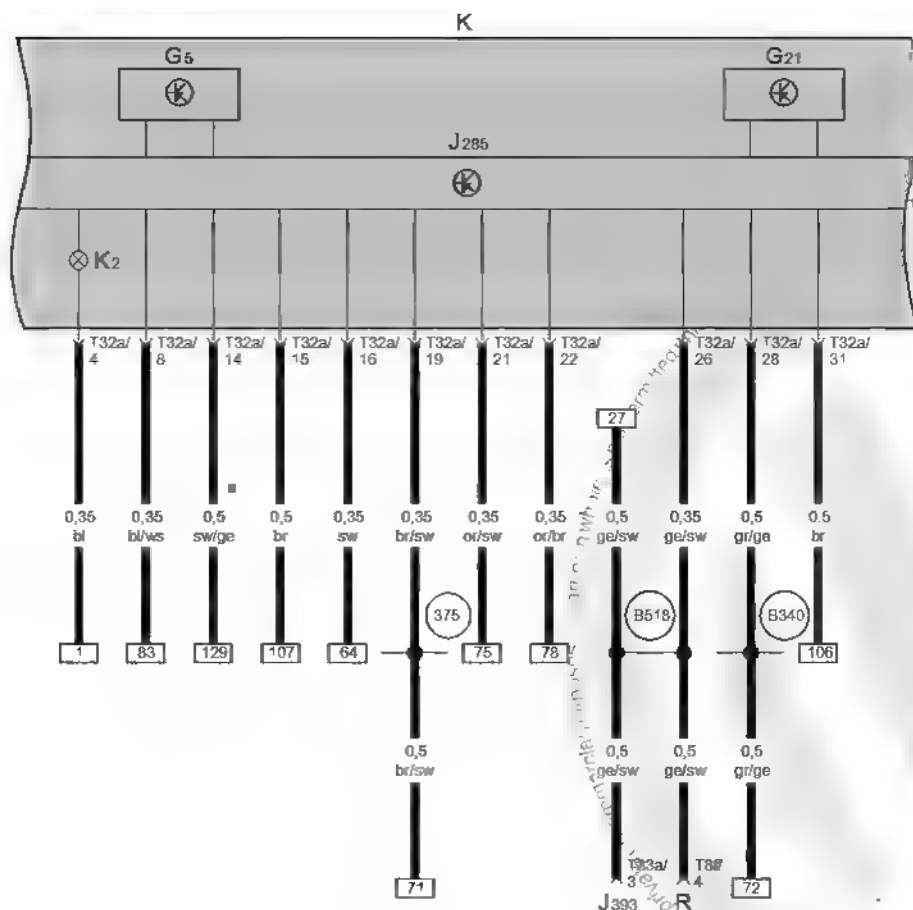
- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- J393 Central control unit for the convenience system
- K Combined instrument
- K2 Alternator control light
- R Radio
- T8f Fitting connector 8pin on radio
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T32a 32pin connector

(375) Earth connection 10 in main harness

(B340) Connection 1 58d on main harness

(B518) Connection 86s on main harness

Only for vehicles with buttons on steering wheel for radio command



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

169 170 171 172 173 174 175 176 177 178 179 180 181 182

527 005140511

## Antilock system ABS

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

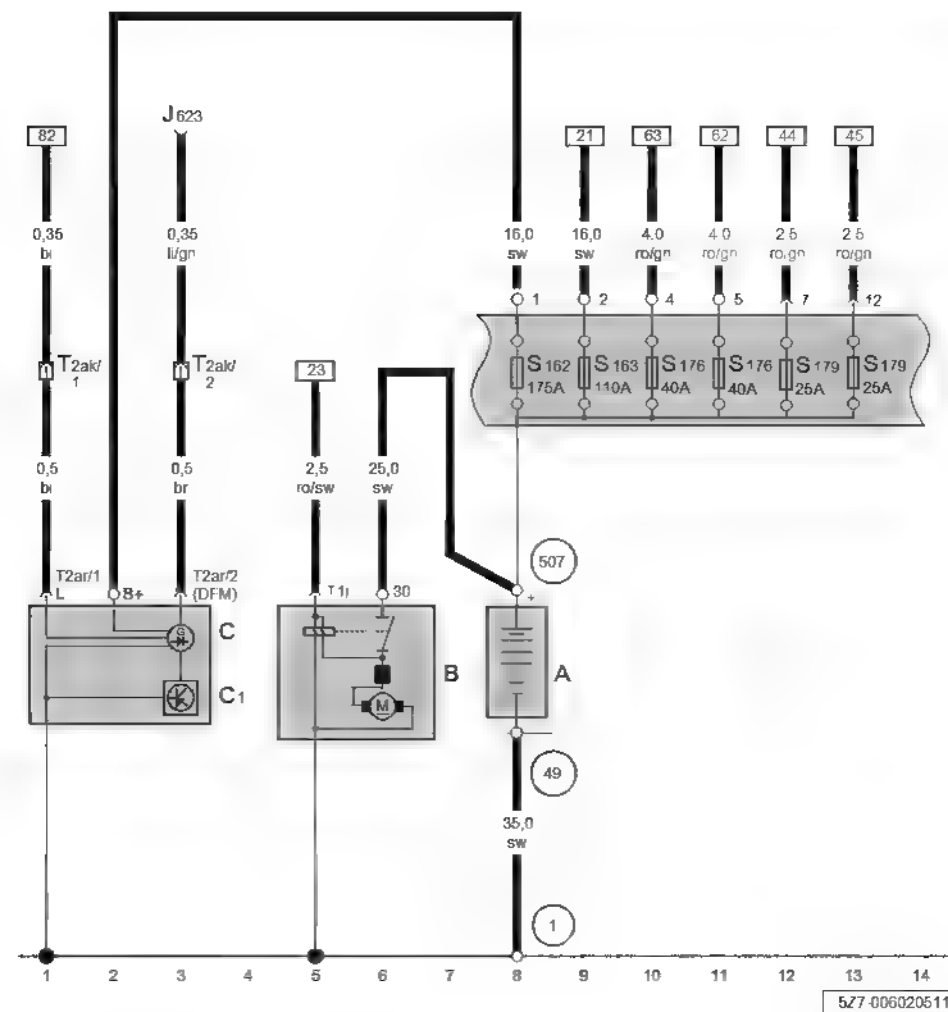
→ See fitting locations

For information about

◆ Assisted fault pinpointing

→ See Guided functions



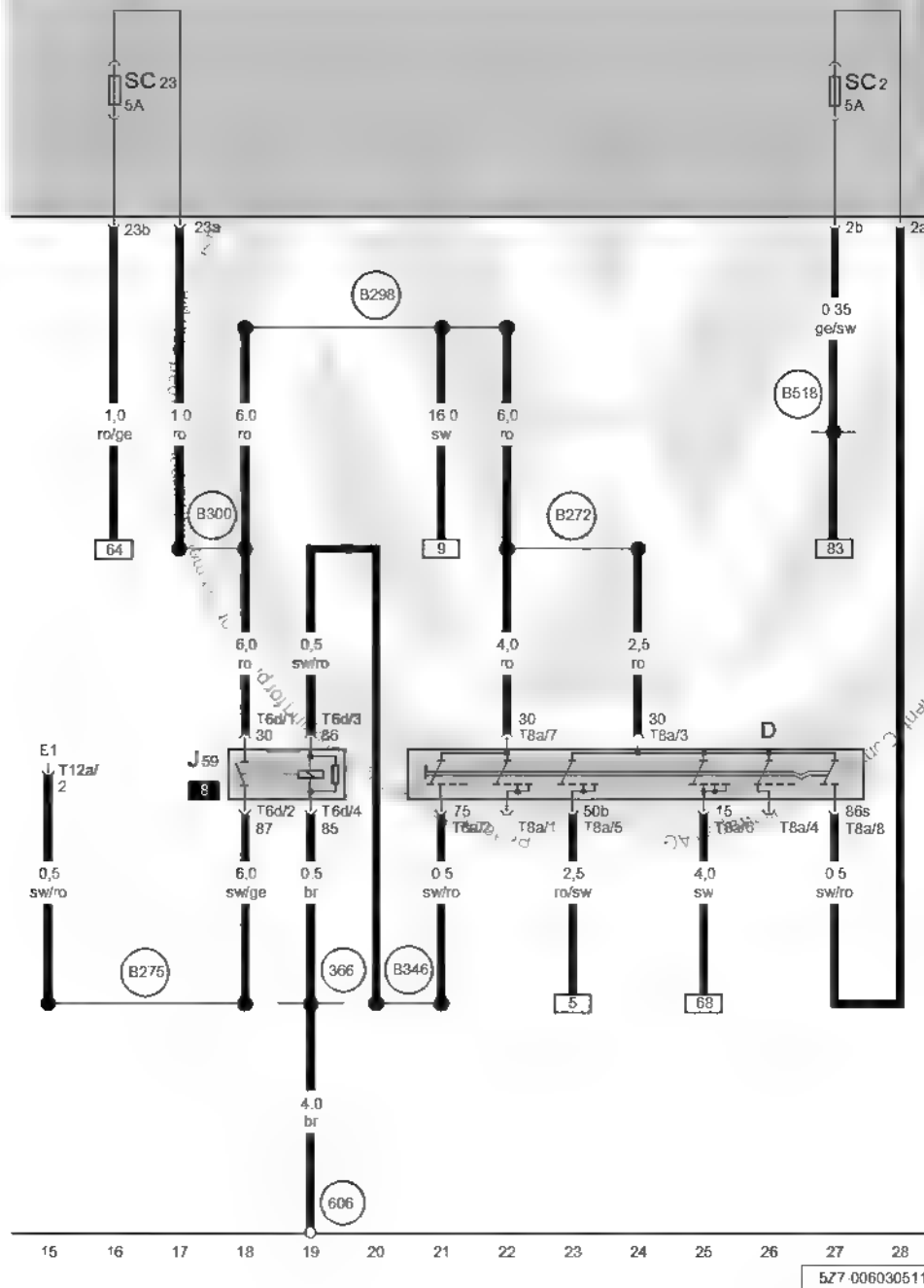


Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- S176 Fuse 4 30 in battery fuse holder
- S179 Fuse 7 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- 1 ) Earth strap battery body
- 49 ) Earth point near the battery
- 507 ) Screw connection 30 battery fuse holder

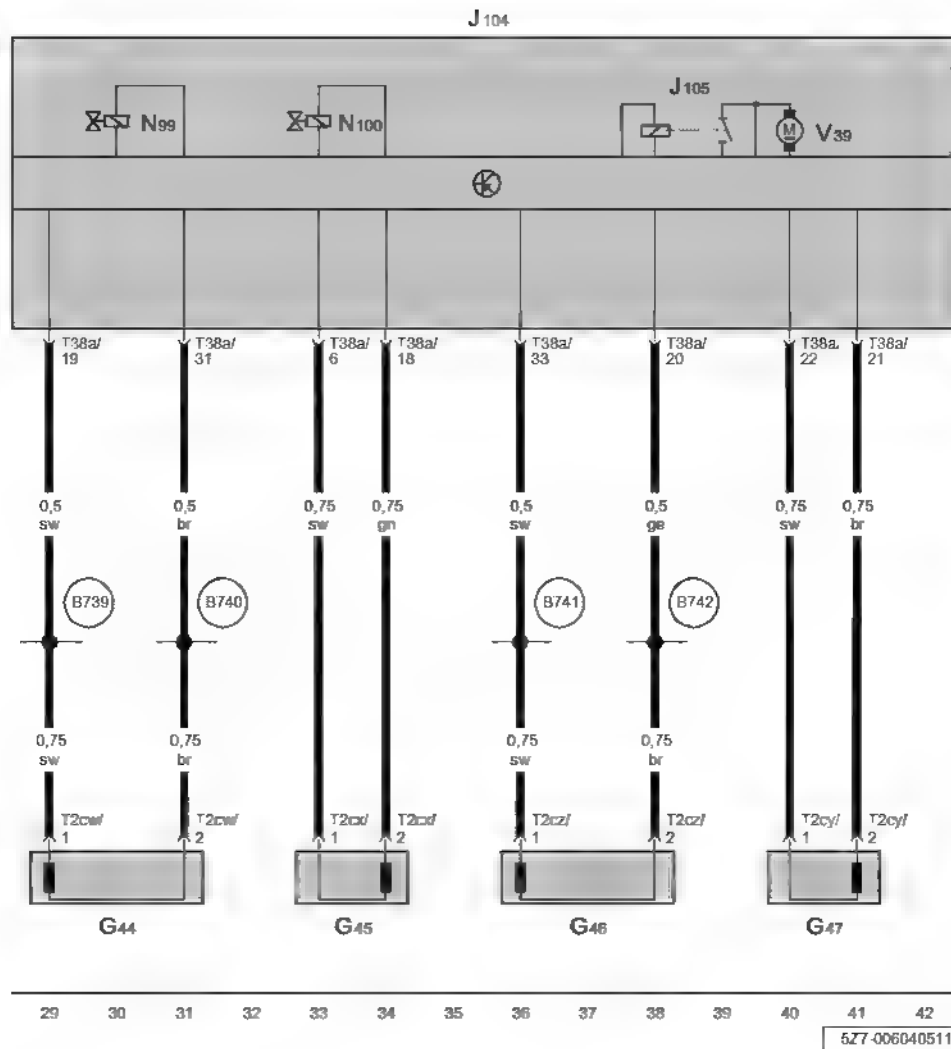
- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink



# Ignition switch Xcontact relief relay

- D Ignition switch
- E1 Light switch
- J59 Xcontact relief relay
- SC2 Fuse 2 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- T6d Fitting connector 6 in Xcontact relief relay
- T8a Fitting connector 8 on ignition switch
- T12a Fitting connector 12 on positive connection on main harness
- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B272 Positive connection 30 on main harness
- B275 Positive connection 87 on main harness
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B346 Connection 1 75 on main harness
- B518 Connection 86s on main harness

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br brown  
gn green  
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ge yellow  
or orange  
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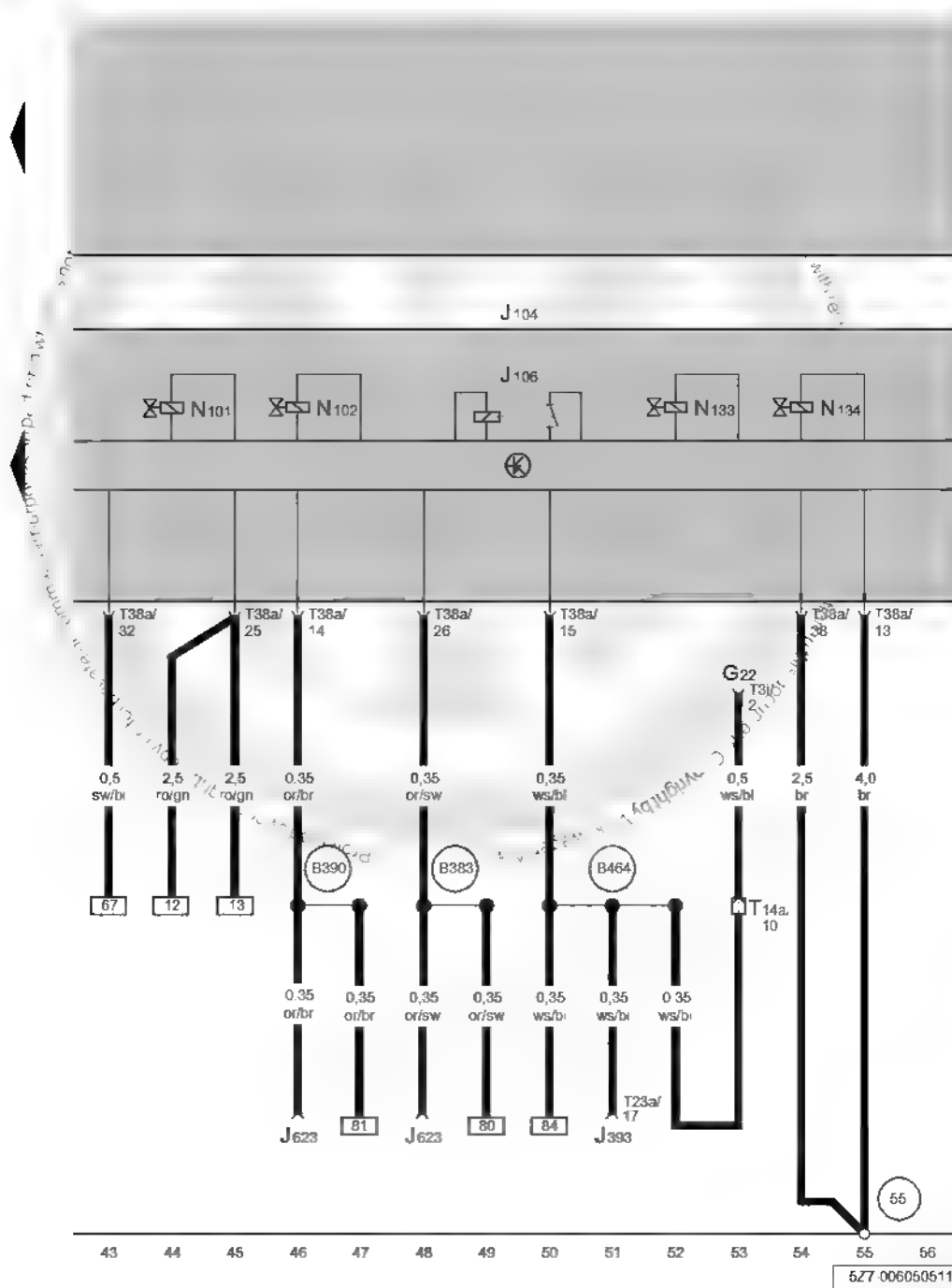


Right rear wheel rotation sensor  
 Right front wheel rotation sensor  
 Rear left wheel rotation sensor  
 Front left wheel rotation sensor  
 ABS control unit  
 ABS return flow pump relay  
 Front right ABS inlet valve EV  
 Front right ABS outlet valve AV  
 ABS reflux pump

- G44 Rear right wheel rotation sensor
- G45 Front right wheel rotation sensor
- G46 Left rear wheel rotation sensor
- G47 Left front wheel rotation sensor
- J104 ABS control unit
- J105 ABS return flow pump relay
- N99 Front right ABS inlet valve EV
- N100 Front right ABS outlet valve AV
- T2cx Fitting connector 2pin on front right wheel rotation sensor
- T2cz Fitting connector 2pin on left rear wheel rotation sensor
- T2cy Fitting connector 2pin on left front wheel rotation sensor
- T2cw Fitting connector 2pin on rear right wheel rotation sensor
- T38a Fitting connector 38 poles on ABS control unit
- V39 ABS reflux pump

- B739 Connection right rear rotation sensor on main harness
- B740 Connection right rear rotation sensor on main harness
- B741 Connection left rear rotation sensor on main harness
- B742 Connection left rear rotation sensor on main harness

ws white  
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 ro red  
 br brown  
 gn green  
 bl blue  
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 or orange  
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ABS control unit ABS solenoid valve relay Front left ABS inlet valve EV Front left ABS outlet valve AV Rear right ABS inlet valve EV Rear left ABS inlet valve EV

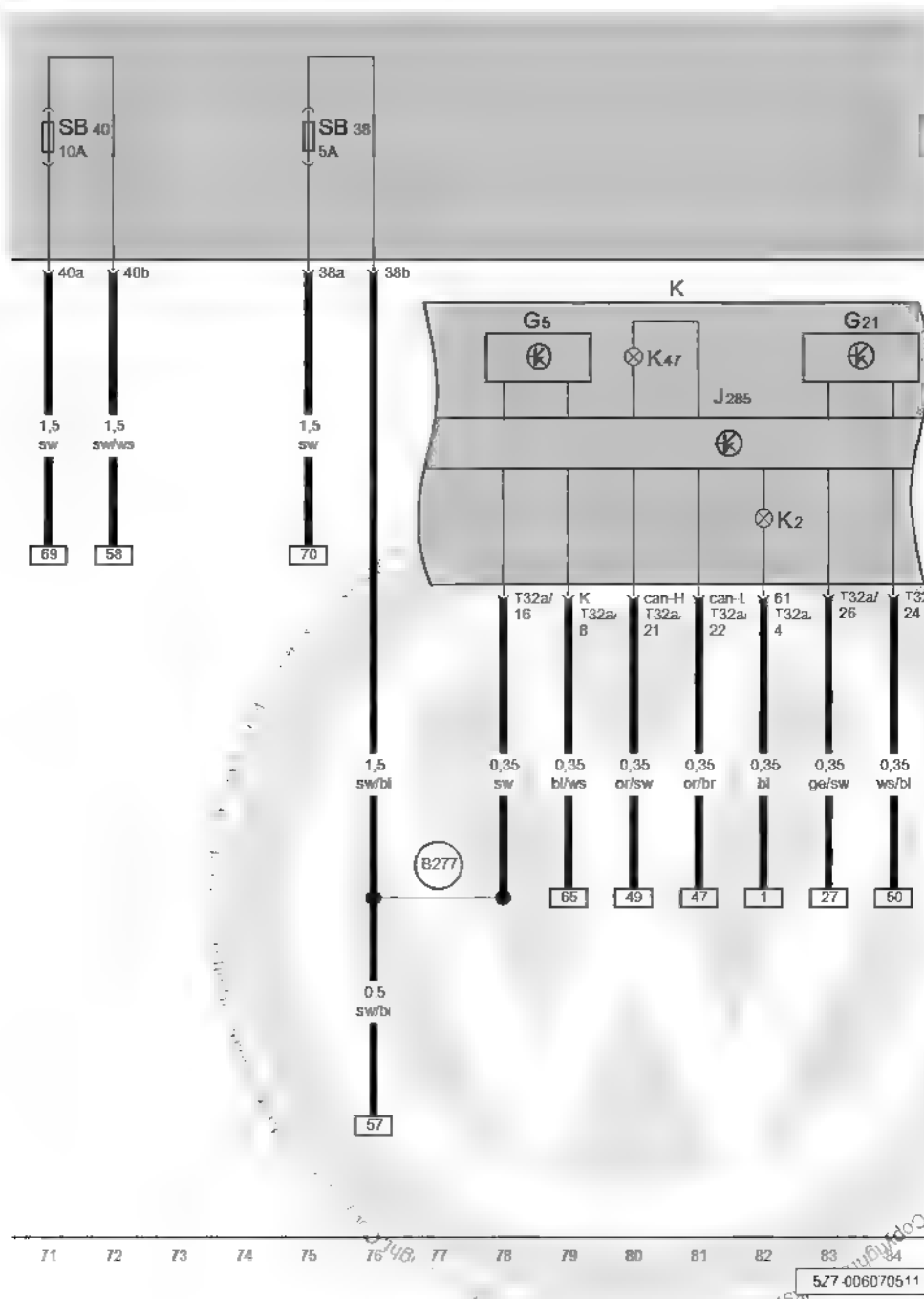
- G22 Speed sensor
- J104 ABS control unit
- J106 ABS solenoid valve relay
- J393 Central control unit for the convenience system
- J623 Engine control unit
- N101 Front left ABS inlet valve EV
- N102 Front left ABS outlet valve AV
- N133 Rear right ABS inlet valve EV
- N134 Rear left ABS inlet valve EV
- T3i Fitting connector 3pin on speed sensor
- T14a Fitting connector 14 poles on left engine compartment
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T38a Fitting connector 38 poles on ABS control unit
- 55 Earth point next to ABS control unit
- B383 Connection 1 CANbus 'high' command on main harness
- B390 Connection 1 CANbus 'low' command on main harness
- B464 Connection speed signal on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink





F	Brake light switch
F47	Brake pedal switch
J104	ABS control unit
J234	Airbag control unit
J393	Central control unit for the convenience system
J623	Engine control unit
N135	Rear right ABS outlet valve AV
N136	Rear left ABS outlet valve AV
SC24	Fuse 24 on fuse holder C
T4m	Fitting connector 4pin on brake pedal switch
T16a	Fitting connector 16 poles in diagnosis
T23a	Fitting connector 23 poles on central control unit for the convenience system
T38a	Fitting connector 38 poles on ABS control unit
T75a	Fitting connector 75 poles on airbag control unit
B273	Positive connection 15 on main harness
B335	Connection 1 54 on main harness
B625	Connection on main harness
	Diagnosis connection



Tachometer Speedometer Control unit w indicator on the combined instrument Combined instrument Alternator control light ABS control light

- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- K2 Alternator control light
- K47 ABS control light
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument
- SB38 Fuse 38 on fuse holder B
- SB40 Fuse 40 on fuse holder B
- (B277) Positive connection 1 15a on main harness

ws white  
sw black  
ro red  
br brown  
gr green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
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## Basic equipment

from March 2010 to May 2011

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

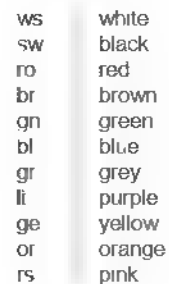
→ See fitting locations

For information about

◆ Assisted fault pinpointing

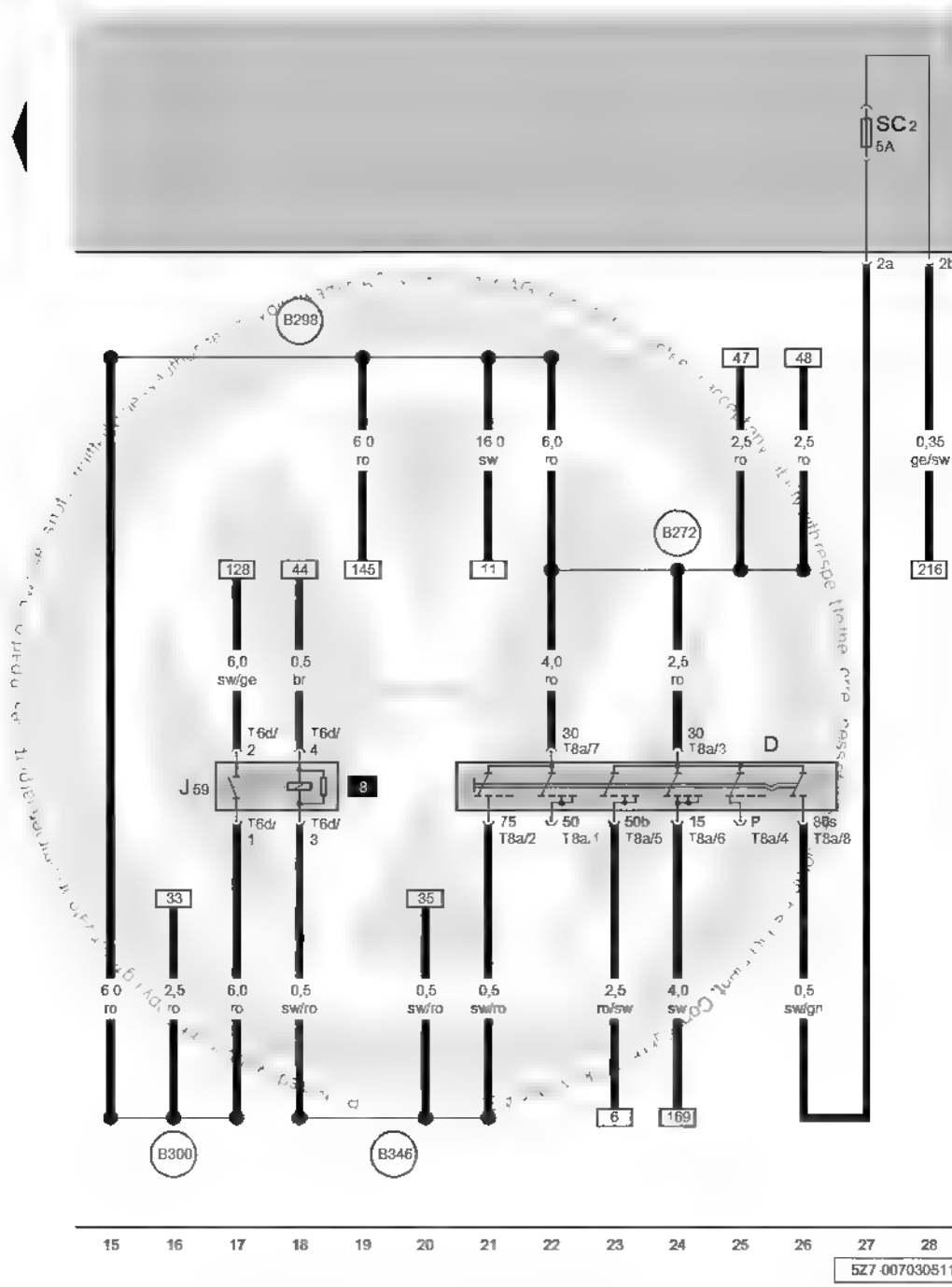
→ See Guided functions





A	Battery
B	Starter
C	Generator Alternator
C1	Voltage regulator
J623	Engine control unit
S162	Fuse 1 30 in battery fuse holder
S163	Fuse 2 30 in battery fuse holder
S180	Fuse 8 30 in battery fuse holder
T1j	Fitting connector single on starter
T2ak	Fitting connector 2pin on engine compartment
T2ar	Fitting connector 2pin on generator alternator

- 1 ) Earth strap battery body  
49 ) Earth point near the battery  
507 ) Screw connection 30 battery fuse holder



# Ignition switch Xcontact relief relay

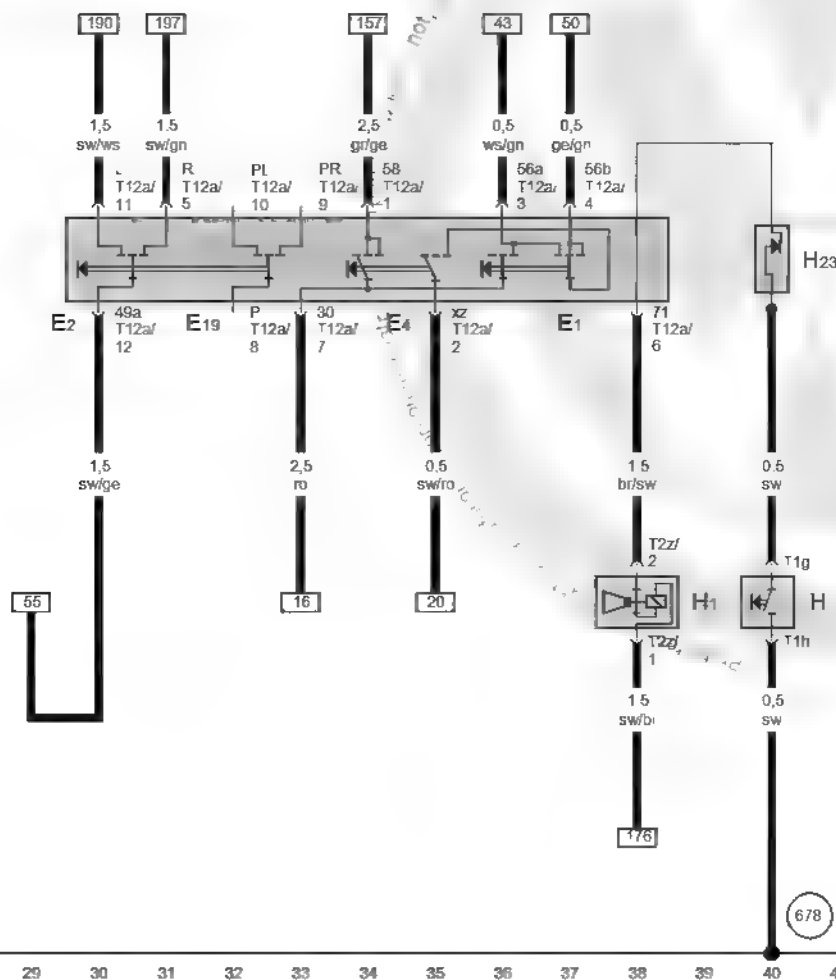
- D Ignition switch
- J59 Xcontact relief relay
- SC2 Fuse 2 on fuse holder C
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch
- B272 Positive connection 30 on main harness
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B346 Connection 1 75 on main harness

ws white  
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 ro red  
 br brown  
 gn green  
 bl blue  
 gr grey  
 li purple  
 ge yellow  
 or orange  
 rs pink

Light switch Flashingturn light switch Headlight dipper and flasher switch Parking light switch Horn activator Horn and dual tone horn Horn activation contact ring

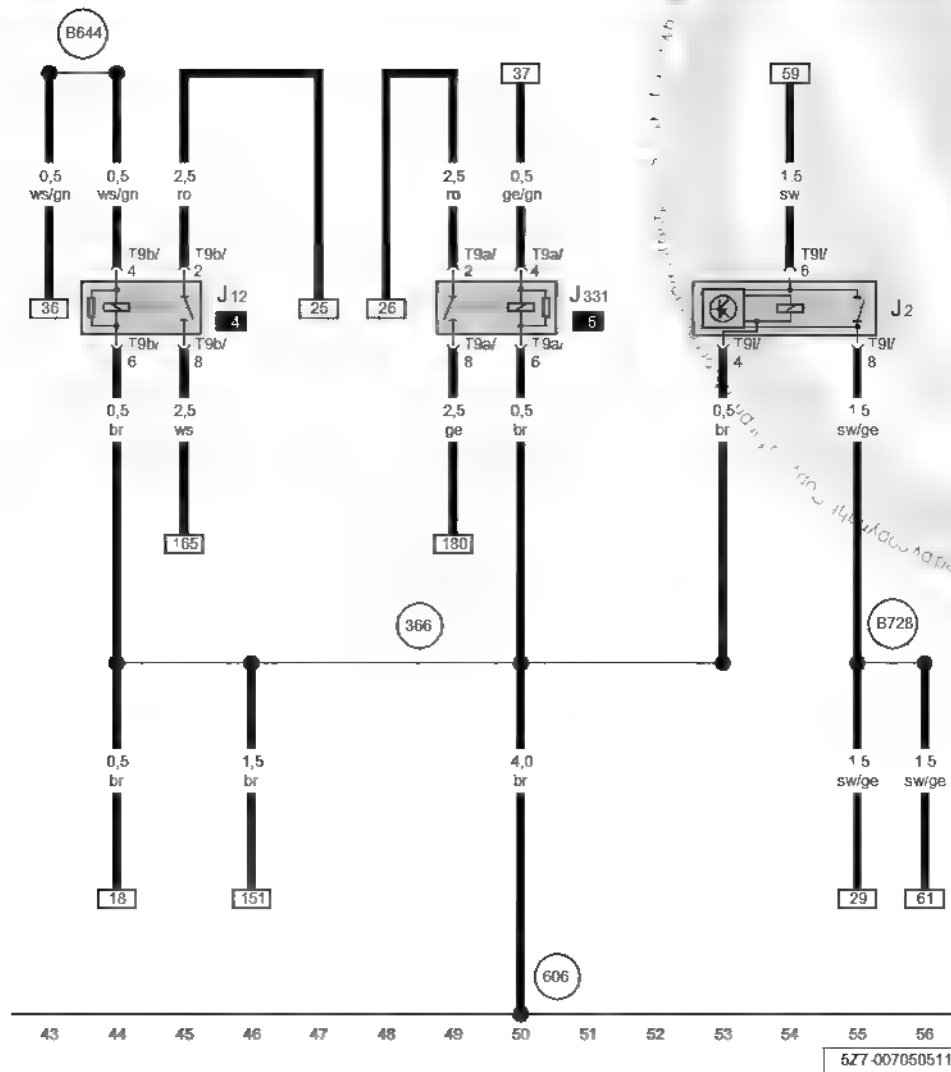
- E1 Light switch
- E2 Flashingturn light switch
- E4 Headlight dipper and flasher switch
- E19 Parking light switch
- H Horn activator
- H1 Horn or dual tone horn
- H23 Horn activation contact ring
- T1g Fitting connector single on horn activator
- T1h Fitting connector single on horn activator
- T2z Fitting connector 2pin in horn or dual tone horn
- T12a Fitting connector 12 poles in light switch

678 Earth point on steering wheel



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

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Hazard warning light relay Headlight main beam relay  
Dipped beam relay

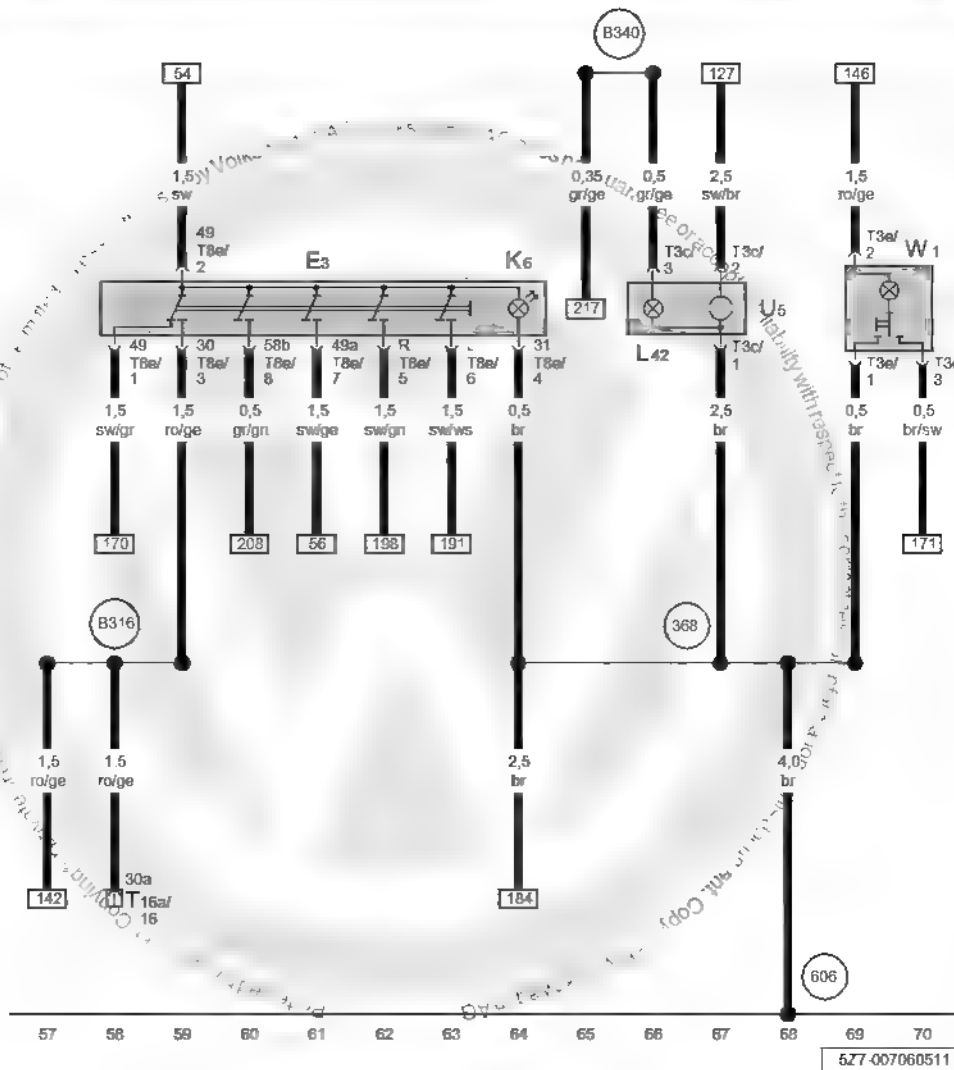
- J2 Hazard warning light relay
- J12 Headlight main beam relay
- J331 Dipped beam relay
- T9a Fitting connector 9pin in dipped beam relay
- T9b Fitting connector 9pin in headlight main beam relay
- T9l Fitting connector 9pin on warning light relay
- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B644 Connection 3 56a on main harness
- B278 Connection 49a on main harness

Hazard warning light switch Indicator lamp for hazard warning light Socket light bulb 12volt socket Front internal light

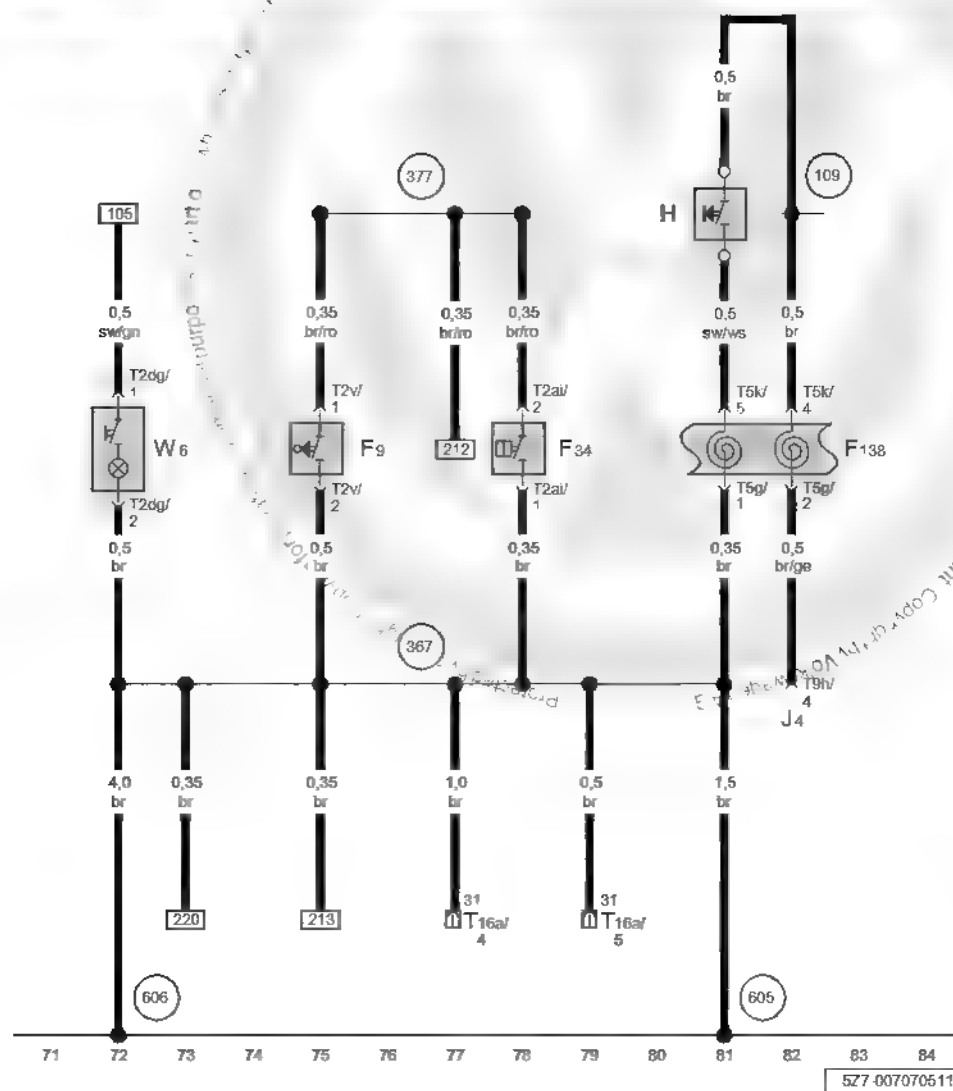
- E3 Hazard warning light switch
- K6 Indicator lamp for hazard warning light
- L42 Socket illumination bulb
- T3c Fitting connector 3pin on 12volt socket
- T3e Fitting connector 3pin in front interior light
- T8e Fitting connector 8pin on warning light switch
- T16a Fitting connector 16 poles in diagnosis
- U5 12volt socket
- W1 Front internal light

- 368 Earth connection 3 in main harness
- 606 Earth point under the centre console near the selection lever
- B316 Positive connection 2 30a on main harness
- B340 Connection 1 58d on main harness

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br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink





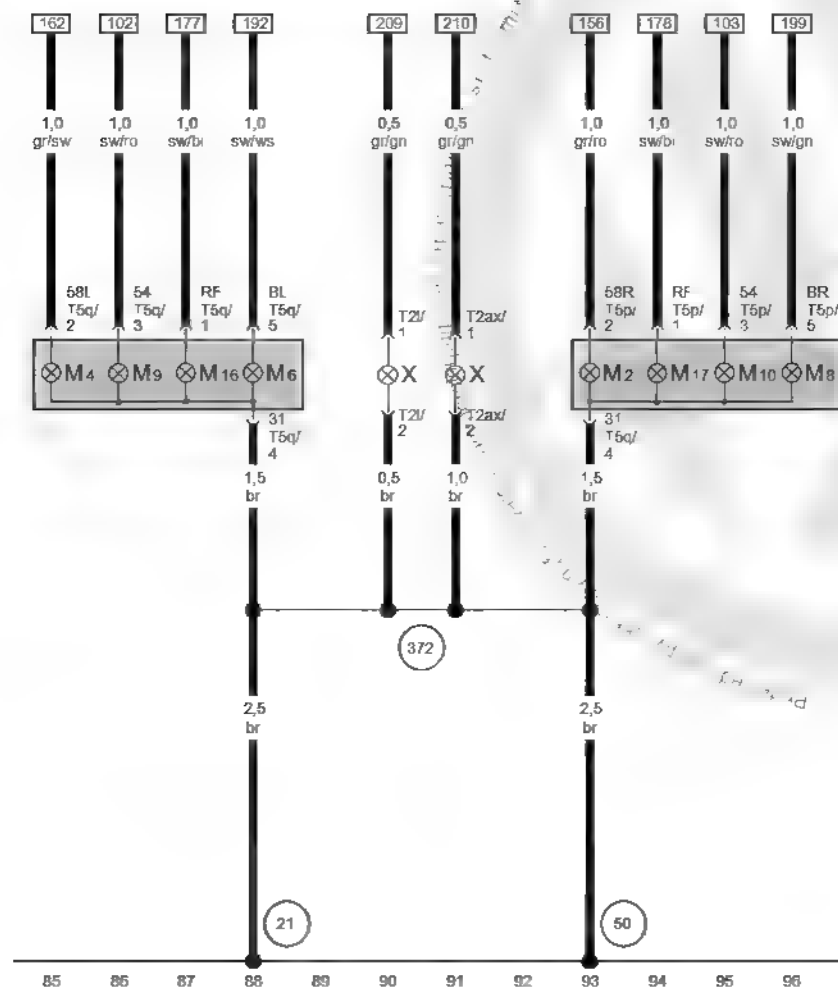


Handbrake warning switch  
Brake oil level warning contact  
Airbag coil connector and return ring with slip ring  
Horn activator  
Glove compartment light

- F9 Handbrake warning switch
- F34 Brake oil level warning contact
- F138 Airbag coil connector and return ring with slip ring
- H Horn activator
- J4 Dual tone horn relay
- T2v Fitting connector 2pin on Park brake control switch
- T2ai Fitting connector 2pin on Brake oil level warning contact
- T2dg Fitting connector 2pin in glove compartment light
- T5g Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T5k Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T9h Fitting connector 9pin in dual tone horn relay
- T16a Fitting connector 16 poles in diagnosis
- W6 Glove compartment light

- 109 Earth connection in the airbag wiring harness
- 367 Earth connection 2 in main harness
- 377 Earth connection 12 in main harness
- 605 Earth point in upper steering column area
- 606 Earth point under the centre console near the selection lever

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gn green  
bl blue  
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ge yellow  
or orange  
rs pink



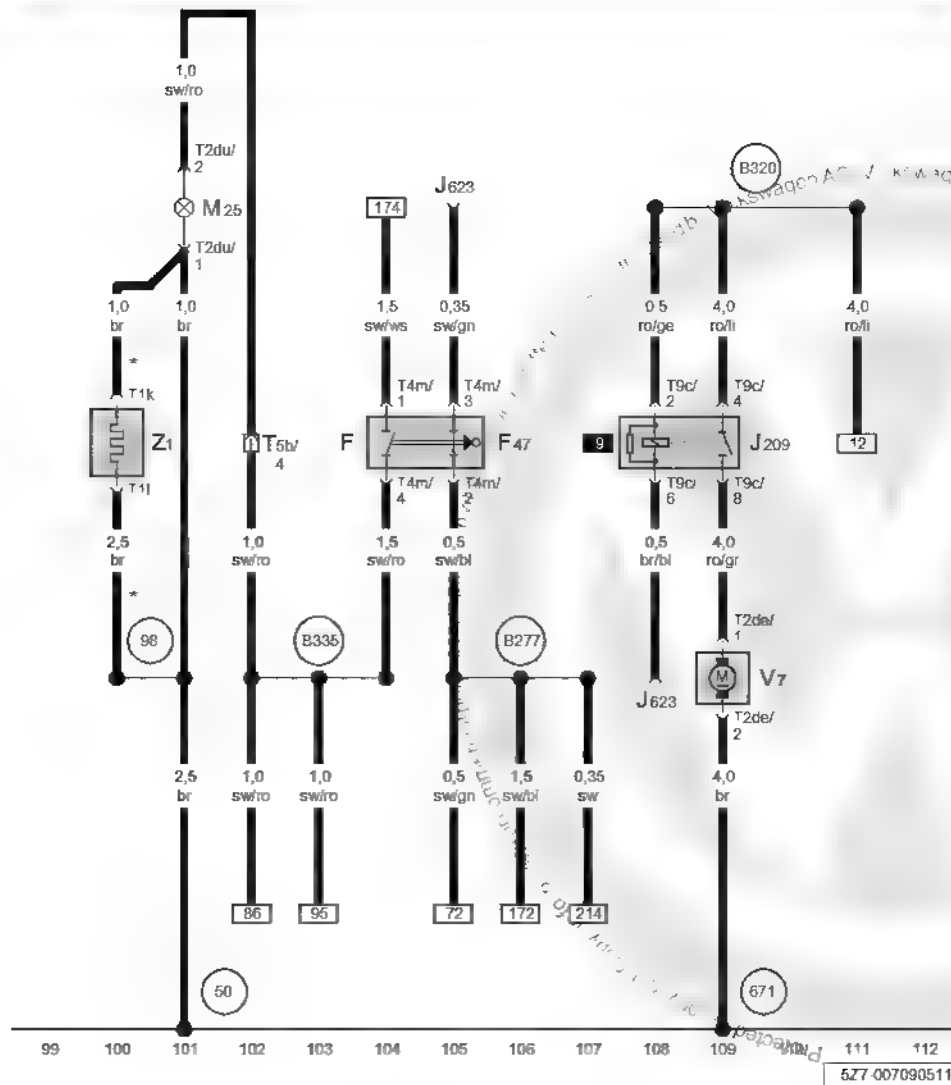
Right tail light lamp Left tail light lamp Left tail light lamp Left rear indicator light lamp Right rear indicator light lamp Left brake light bulb Right brake light bulb Left reversing light lamp Right reversing light lamp Number plate light

- M2 Right tail light lamp
- M4 Left tail light lamp
- M6 Left rear indicator light lamp
- M8 Right rear indicator light lamp
- M9 Left brake light bulb
- M10 Right brake light bulb
- M16 Left reversing light lamp
- M17 Right reversing light lamp
- T2l Fitting connector 2pin in license plate light
- T2ax Fitting connector 2pin in license plate light
- T5p Fitting connector 5pin for Right tail light
- T5q Fitting connector 5pin for left tail light
- X License plate light

- 21 Earth point near fuel pump
- 50 Earth point on left luggage compartment
- 372 Earth connection 7 in main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

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Brake light switch Brake pedal switch Fresh air blower and radiator fan relay Lamp for 'brakelight' Radiator fan Heated rear window

- F Brake light switch
- F47 Brake pedal switch
- J209 Fresh air blower and radiator fan relay
- J623 Engine control unit
- M25 Lamp for 'brakelight'
- T1k Fitting connector single heated rear window
- T1l Fitting connector single heated rear window
- T2de Fitting connector 2pin on radiator fan
- T2du Fitting connector single on lamp for 'brakelight'
- T4m Fitting connector 4pin on brake pedal switch
- T5b Fitting connector 5pin behind rear left side lining near the wheelhouse
- T9c Fitting connector 9pin fresh air blower and radiator fan relay
- V7 Radiator fan
- Z1 Heated rear window

- 50 Earth point on left luggage compartment
- 98 Earth connection on rear lid wiring harness
- 671 Earth point 1 on left front longitudinal member
- B277 Positive connection 1 15a on main harness
- B320 Positive connection 6 30a on main harness
- B335 Connection 1 54 on main harness
- 609 Only for vehicles with heater rear window

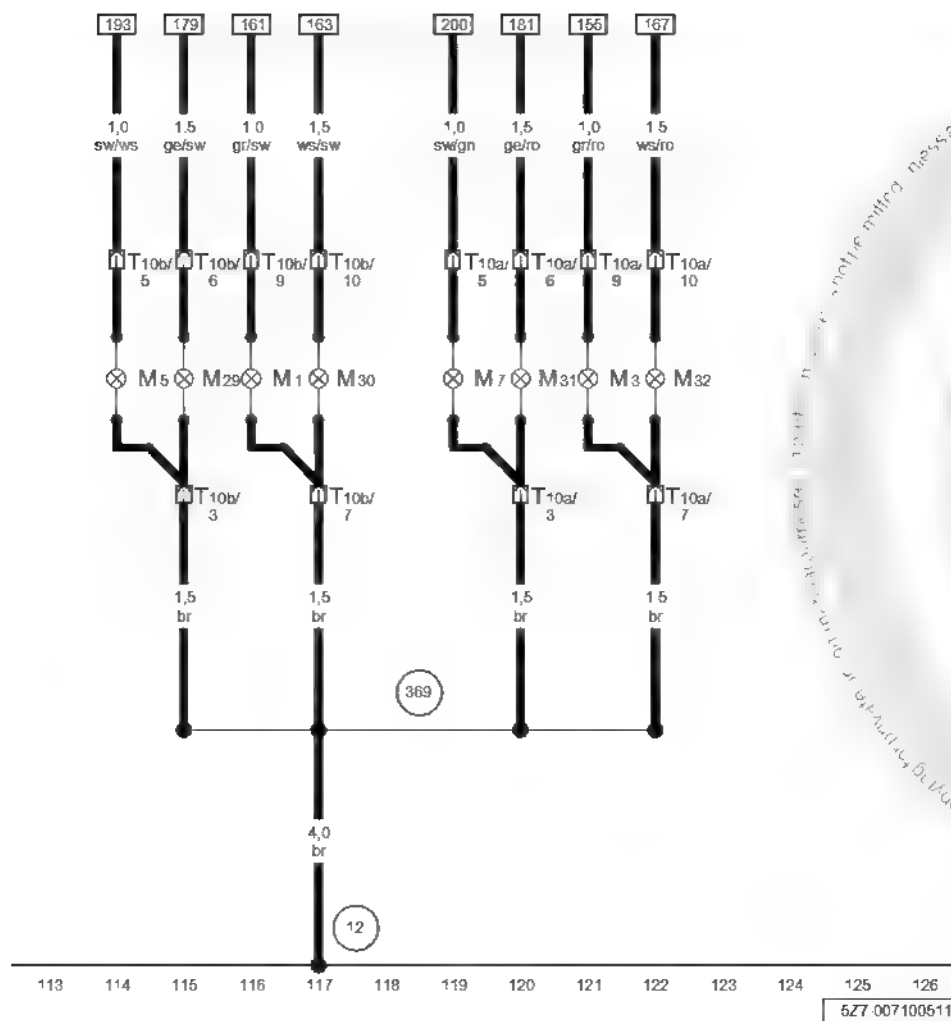
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gr grey  
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ge yellow  
or orange  
rs pink

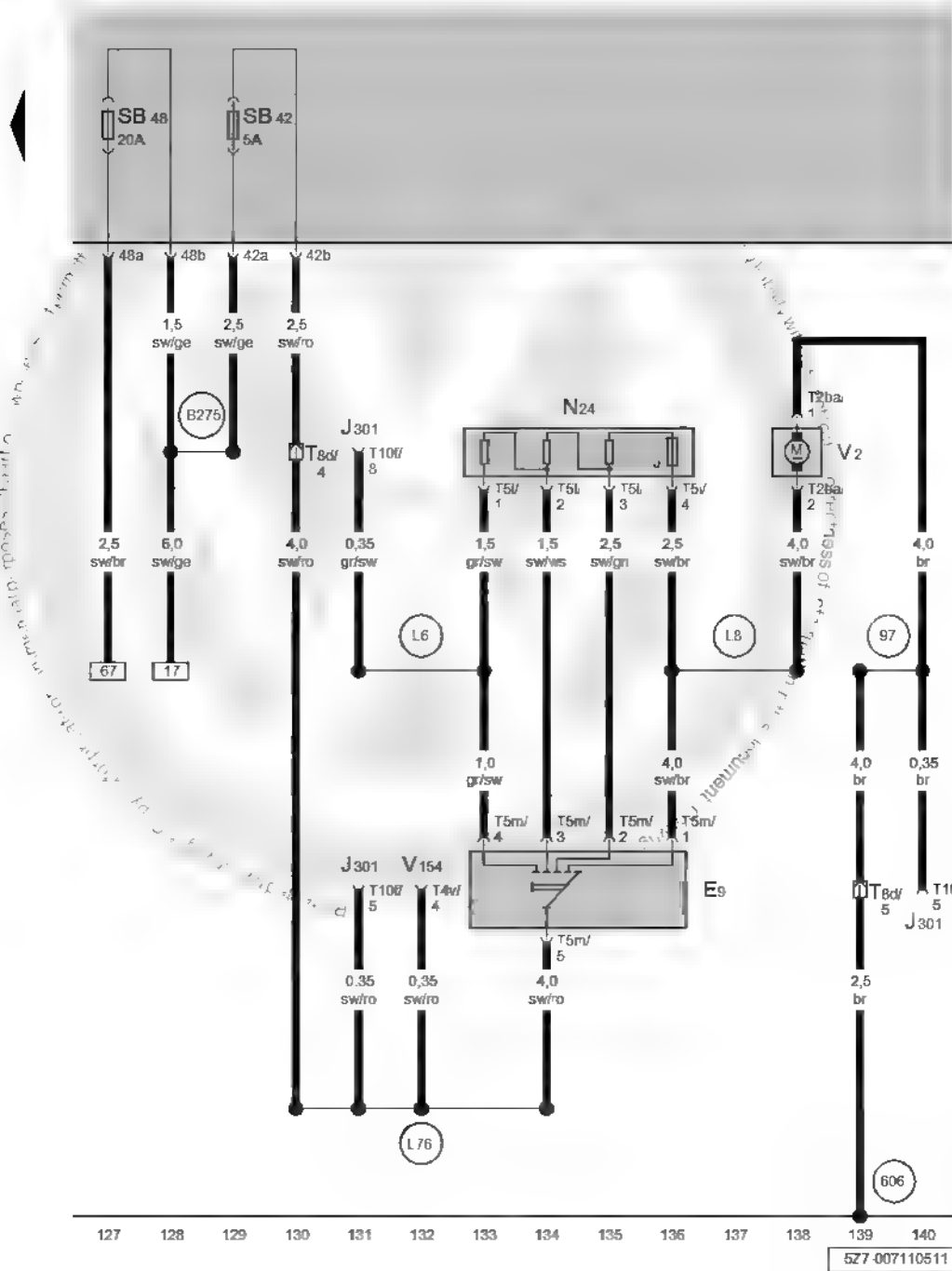
Left front side light lamp Right front side light lamp Left front indicator light lamp Right front indicator light lamp Left low beam lamp Left high beam lamp Right low beam lamp Right high beam lamp

- M1 Left front sidelight lamp
- M3 Right front sidelight lamp
- M5 Left front indicator light lamp
- M7 Right front indicator light lamp
- M29 Left low beam lamp
- M30 Left high beam lamp
- M31 Right low beam lamp
- M32 Right high beam lamp
- T10a Fitting connector 10 poles in right front indicator light lamp
- T10b Fitting connector 10 poles in left front indicator light lamp

12 Earth point in engine compartment left

369 Earth connection 4 in main harness



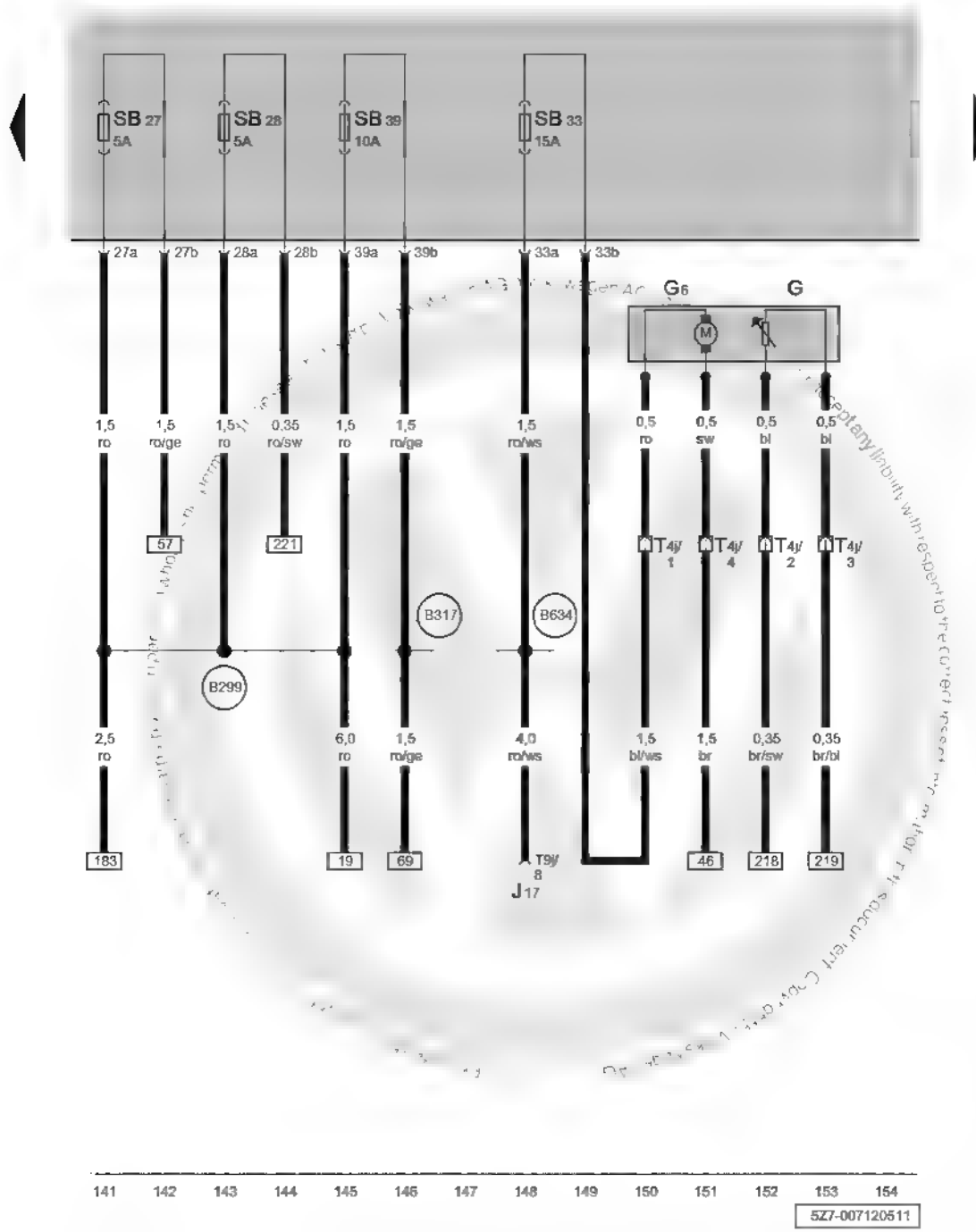


Rear fresh air blower switch Fresh air blower series resistor with overheating fuse Fresh air blower

- E9 Fresh air blower switch
- J301 Air conditioning system control unit
- N24 Fresh air blower series resistor with overheating fuse
- SB42 Fuse 42 on fuse holder B
- SB48 Fuse 48 on fuse holder B
- T2ba Fitting connector 2pin on fresh air blower
- T4v Fitting connector 4pin on control motor for the fresh air valve and the recirculation valve
- T5l Fitting connector 5pin on fresh air blower series resistor with overheating fuse
- T5m Fitting connector 5pin on fresh air blower switch
- T8d Fitting connector 8pin behind dash panel centre
- T10f Fitting connector 10 poles on Air conditioning system control unit
- V2 Fresh air fan
- V154 Control motor for the fresh air valve and the recirculation valve

- 97 Earth connection 1 on air conditioning wiring harness
- 606 Earth point under the centre console near the selection lever
- B275 Positive connection 87 on main harness
- L6 Connection 2 on wiring harness for box of the air conditioning
- L8 Connection 4 on wiring harness for box of the air conditioning
- L76 Connection 87 on air conditioning wiring harness

ws white  
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ge yellow  
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Fuel gauge sender Fuel pump presupply pump

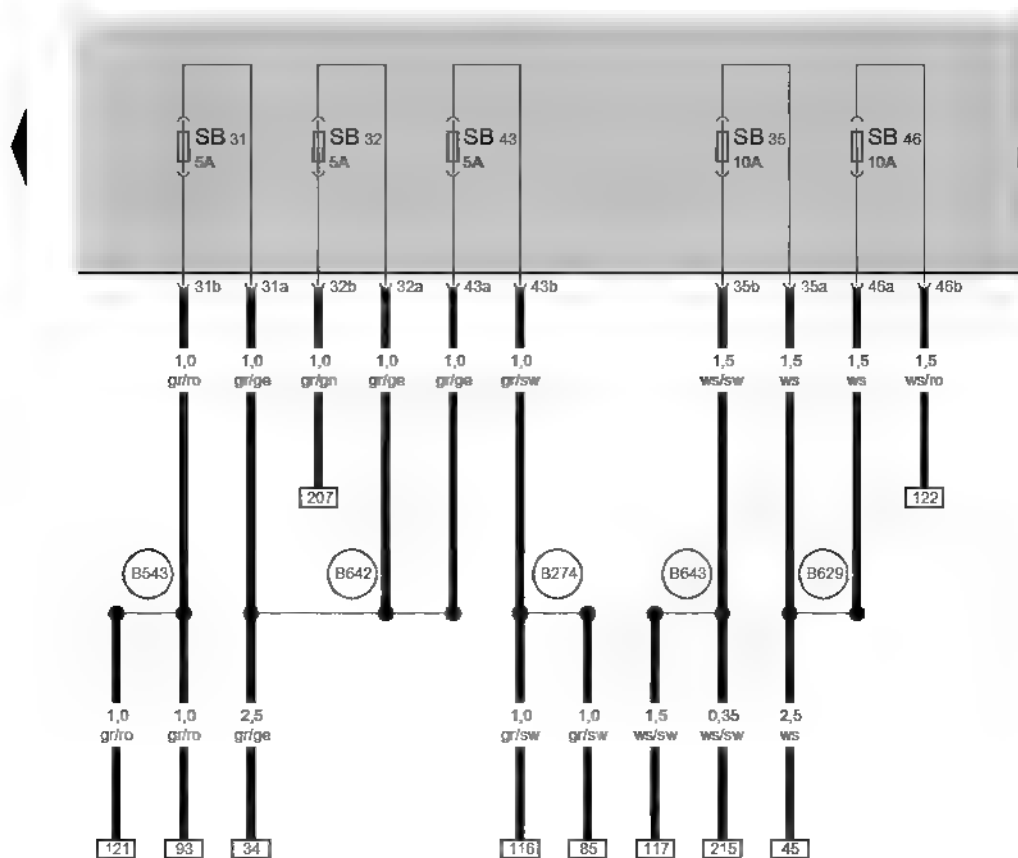
- G Fuel gauge sender
- G6 Fuel system pressurization pump
- J17 Fuel pump relay
- SB27 Fuse 27 on fuse holder B
- SB28 Fuse 28 on fuse holder B
- SB33 Fuse 33 on fuse holder B
- SB39 Fuse 39 on fuse holder B
- T4j Fitting connector 4pin on Fuel pump presupply pump
- T9j Fitting connector 9pin on Fuel pump relay

(B299) Positive connection 3 30 on main harness

(B317) Positive connection 3 30a on main harness

(B634) Positive connection 2 87 on main harness

- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink



## Fuses

- SB31 Fuse 31 on fuse holder B
- SB32 Fuse 32 on fuse holder B
- SB35 Fuse 35 on fuse holder B
- SB43 Fuse 43 on fuse holder B
- SB46 Fuse 46 on fuse holder B

B274 Positive connection 58L on main harness

B543 Positive connection 58R on main harness

B629 Connection 56a on main harness

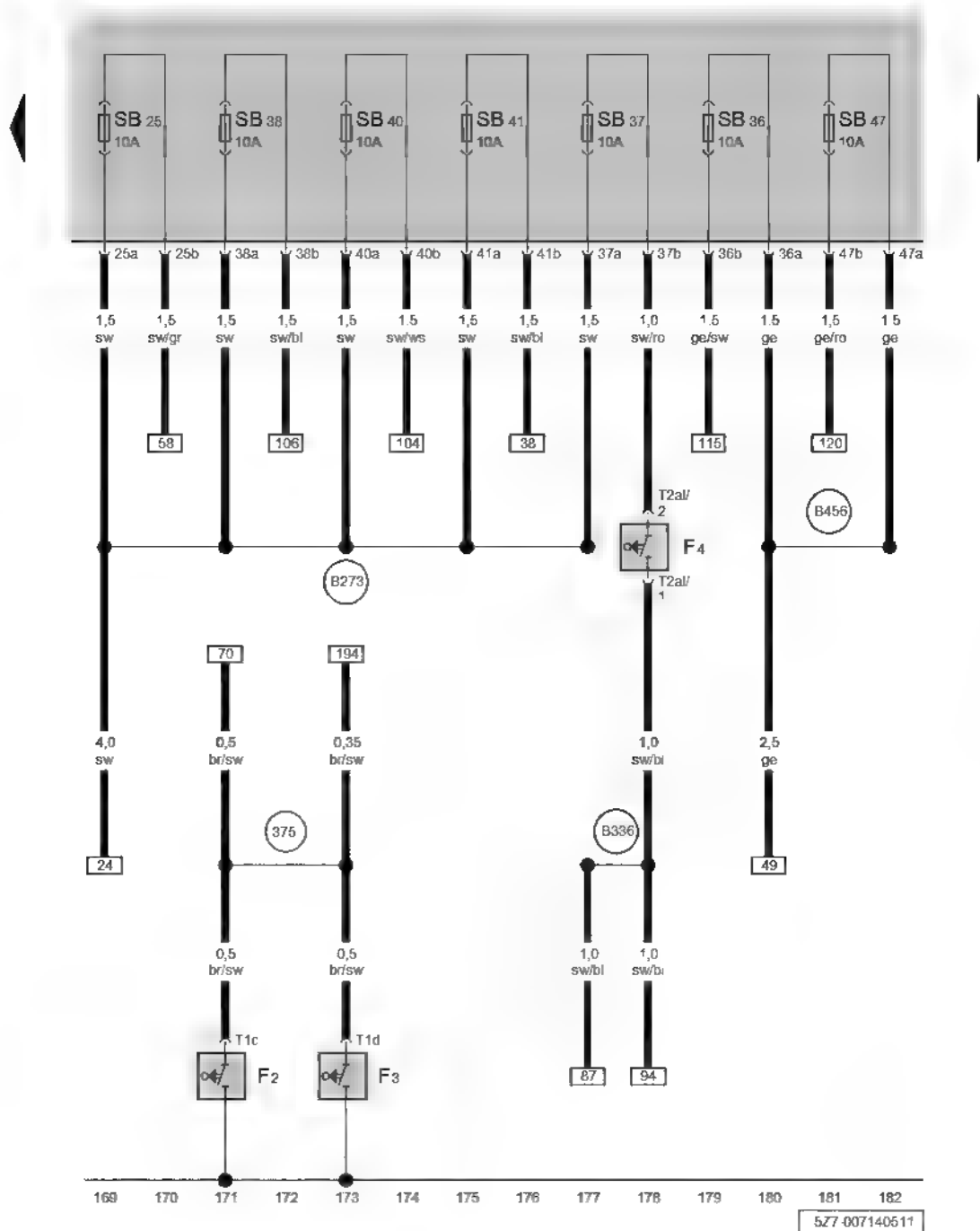
B642 Positive connection 58 on main harness

B643 Connection 2 56a on main harness

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ro red  
br brown  
gn green  
bl blue  
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or orange  
rs pink

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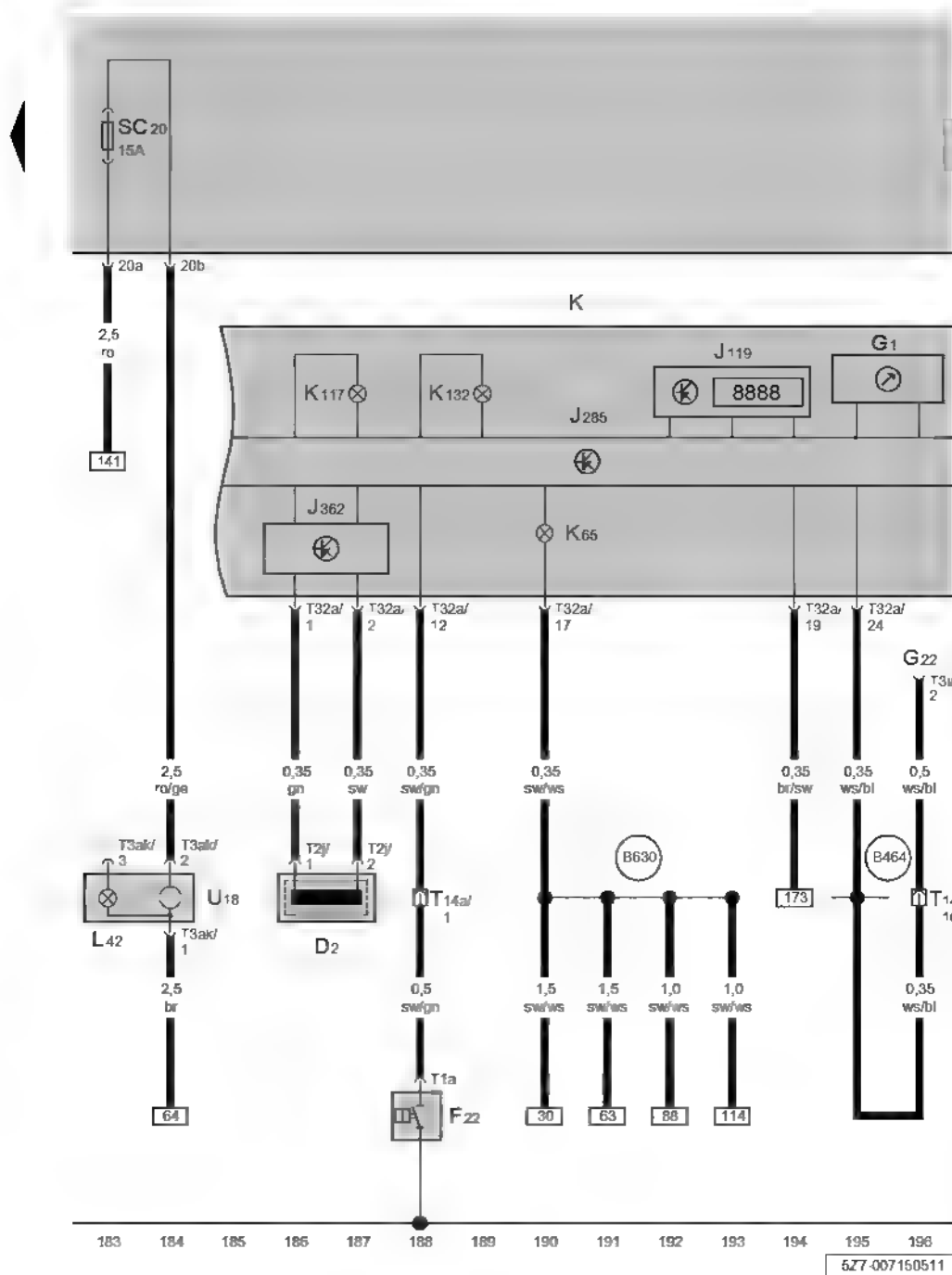


Driver door contact switch Front passenger door contact switch Reversing light switch

- F2 Driver door contact switch
- F3 Front passenger door contact switch
- F4 Reversing light switch
- SB25 Fuse 25 on fuse holder B
- SB36 Fuse 36 on fuse holder B
- SB37 Fuse 37 on fuse holder B
- SB38 Fuse 38 on fuse holder B
- SB40 Fuse 40 on fuse holder B
- SB41 Fuse 41 on fuse holder B
- SB47 Fuse 47 on fuse holder B
- T1c Fitting connector single on Driver door contact switch
- T1d Fitting connector single on Front passenger door contact switch
- T2a1 Fitting connector 2pin on reversing light switch
- (375) Earth connection 10 in main harness
- B273 Positive connection 15 on main harness
- B336 Connection 2 54 on main harness
- B456 Connection 56b on main harness

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li purple  
ge yellow  
or orange  
rs pink

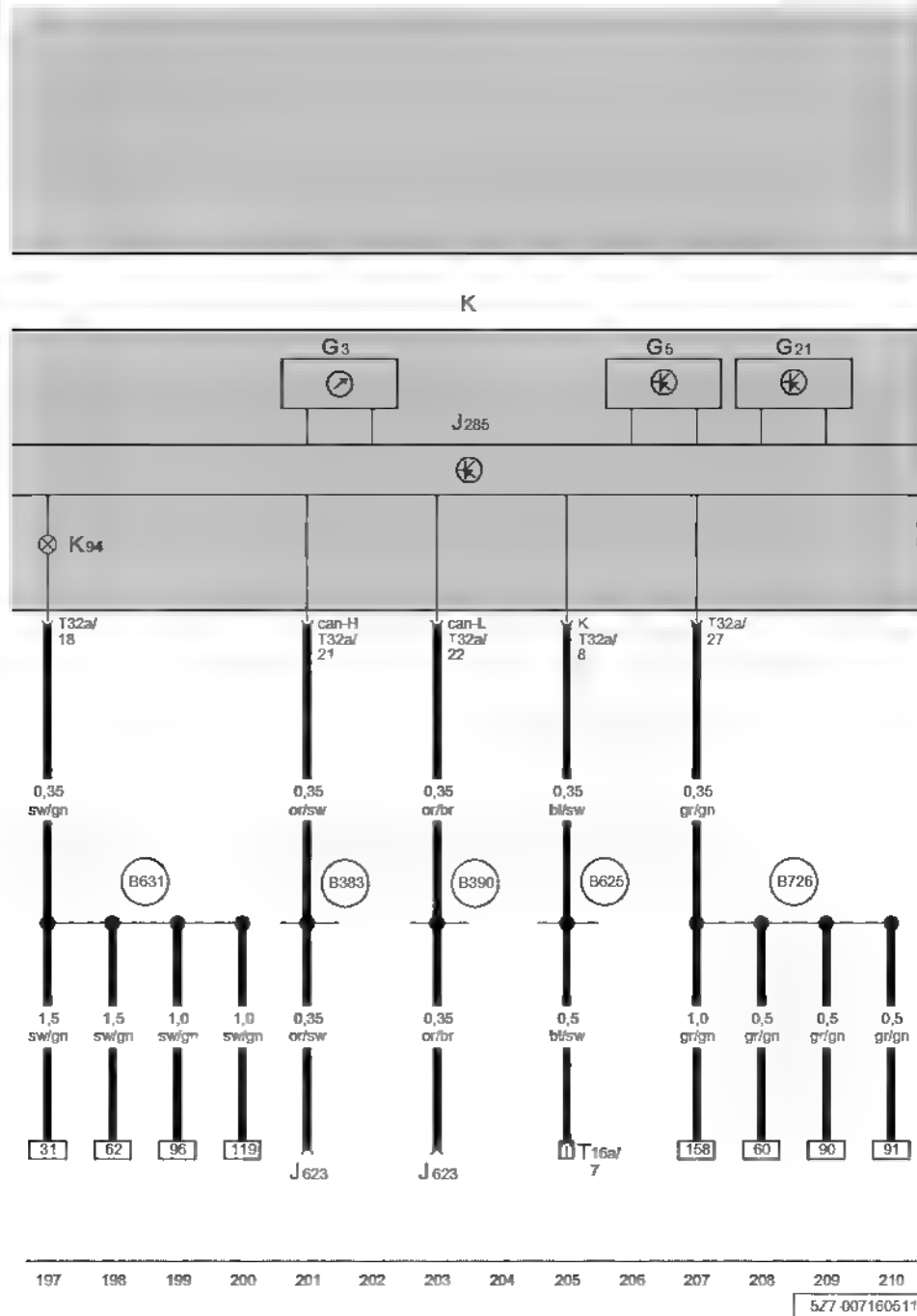




Immobilizer reading coil  
Oil pressure switch  
Fuel level indicator  
Multifunction indicator  
Immobilizer control unit  
Combined instrument

- D2 Immobilizer reading coil
- F22 Oil pressure switch
- G1 Fuel level indicator
- G22 Speed sensor
- J119 Multifunction indicator
- J285 Control unit w indicator on the combined instrument
- J362 Immobilizer control unit
- K Combined instrument
- K65 Left turn signal control light
- K117 Immobilizer control light
- K132 'Egas' system failure indicator light
- L42 Socket illumination bulb
- SC20 Fuse 20 on fuse holder C
- T1a Fitting connector single on oil pressure switch
- T2j Fitting connector 2pin in Immobilizer reading coil
- T3i Fitting connector 3pin on speed sensor
- T3ak Fitting connector 3pin on 12 V socket 2
- T14a Fitting connector 14 poles on left engine compartment
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument
- U18 12 V socket 2
- (B464) Connection speed signal on main harness
- (B630) Connection turn signal left on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Coolant temperature indicator Tachometer Speedometer  
Control unit w indicator on the combined instrument  
Combined instrument Right turn signal control light

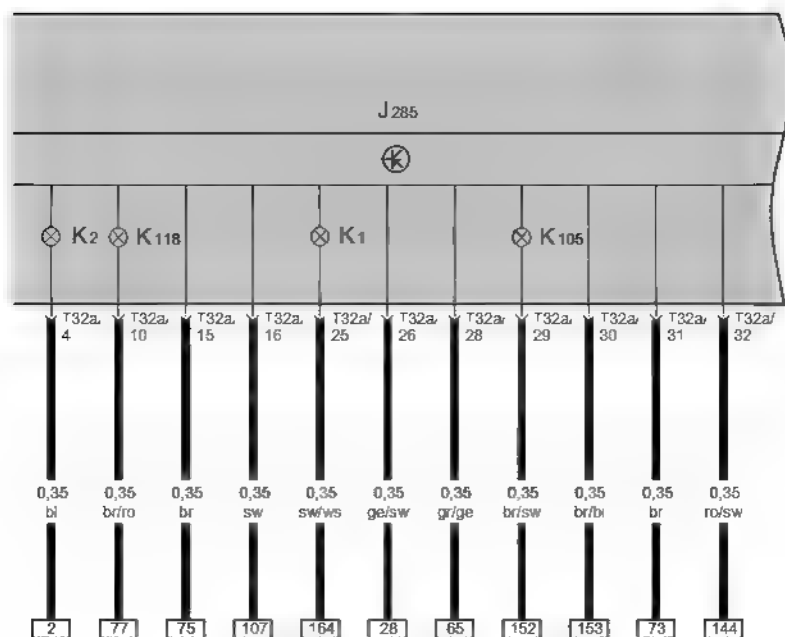
- G3 Coolant temperature indicator
- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- J623 Engine control unit
- K Combined instrument
- K94 Right turn signal control light
- T16a Fitting connector 16 poles in diagnosis
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

- B383 Connection 1 CANbus 'high' command on main harness
- B390 Connection 1 CANbus 'low' command on main harness
- B625 Connection diagnostic cable K on main harness
- B631 Connection turn signal right on main harness
- B726 Positive connection 2 58 on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



K



Control unit w indicator on the combined instrument Combined instrument High beam control light Alternator control light Fuel reserve control light Brake system control light

- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- K1 High beam control light
- K2 Alternator control light
- K105 Fuel reserve control light
- K118 Brake system control light
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument



211 212 213 214 215 216 217 218 219 220 221 222 223 224

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ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
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li purple  
ge yellow  
or orange  
rs pink

## Airbag system

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

→ See fitting locations

For information about

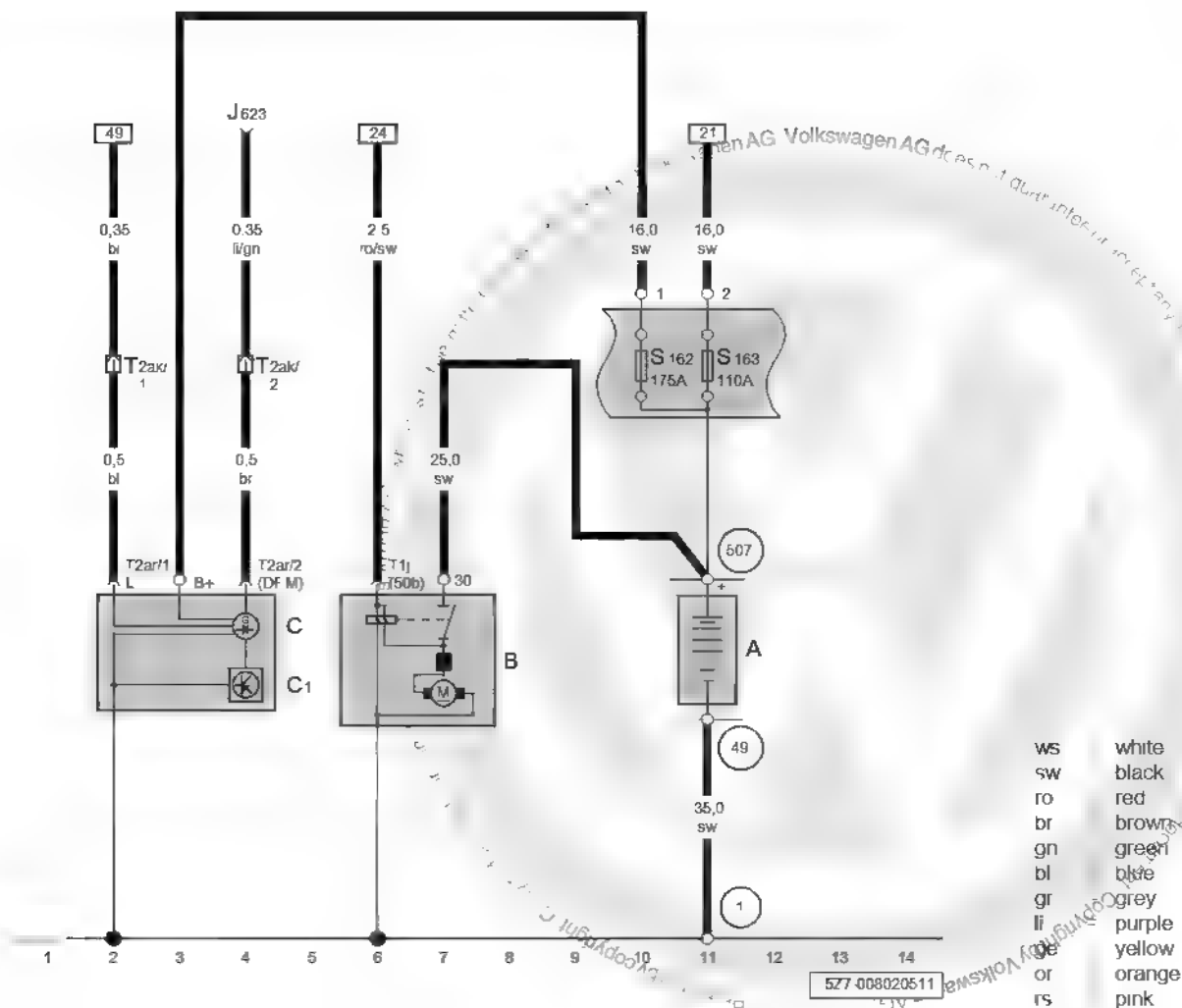
◆ Assisted fault pinpointing

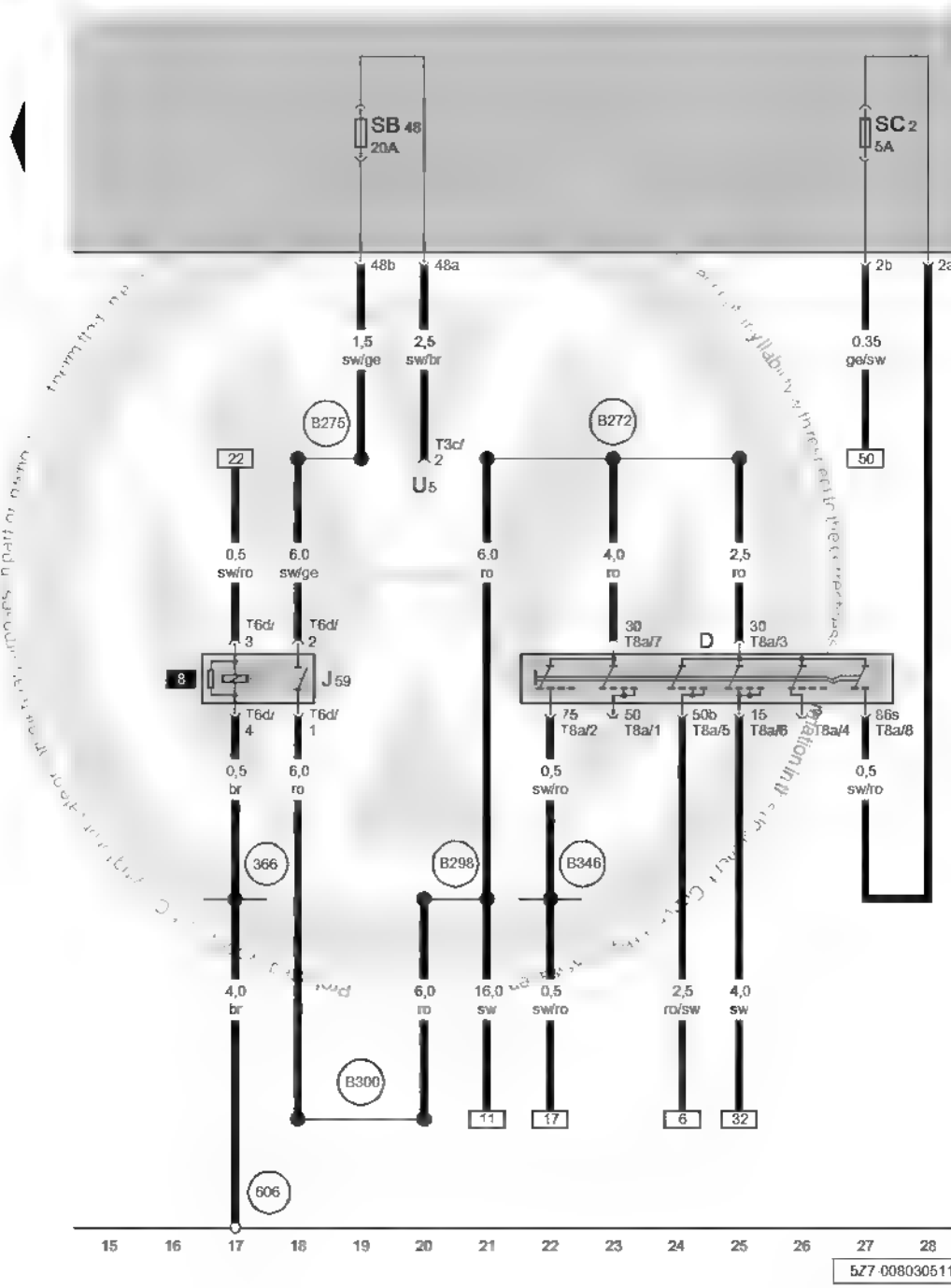
→ See Guided functions

Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- 1 ) Earth strap battery body
- 49 ) Earth point near the battery
- 507 ) Screw connection 30 battery fuse holder



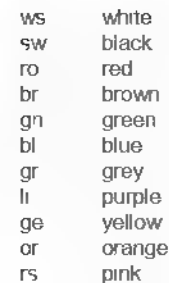


# Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SB48 Fuse 48 on fuse holder B
- SC2 Fuse 2 on fuse holder C
- T3c Fitting connector 3pin on 12volt socket
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch
- U5 12volt socket

- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B272 Positive connection 30 on main harness
- B275 Positive connection 87 on main harness
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B346 Connection 1 75 on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



F138	Airbag coil connector and return ring with slip ring
F158	Belt tensioner switch 1
F159	Belt tensioner switch 2
J234	Airbag control unit
J393	Central control unit for the convenience system
J623	Engine control unit
N95	Ignition device for the driver's airbag
T5g	Fitting connector 2pin on ignition device for the driver's airbag
T2e1	Fitting connector 2pin on belt tensioner switch 1
T2e2	Fitting connector 2pin on belt tensioner switch 2
T5g	Fitting connector 5pin on airbag coil connector and return ring with slip ring
T5k	Fitting connector 5pin on airbag coil connector and return ring with slip ring
T23a	Fitting connector 23 poles on central control unit for the convenience system
T75a	Fitting connector 75 poles on airbag control unit
B273	Positive connection 15 on main harness
B383	Connection 1 CANbus 'high' command on main harness
B390	Connection 1 CANbus 'low' command on main harness

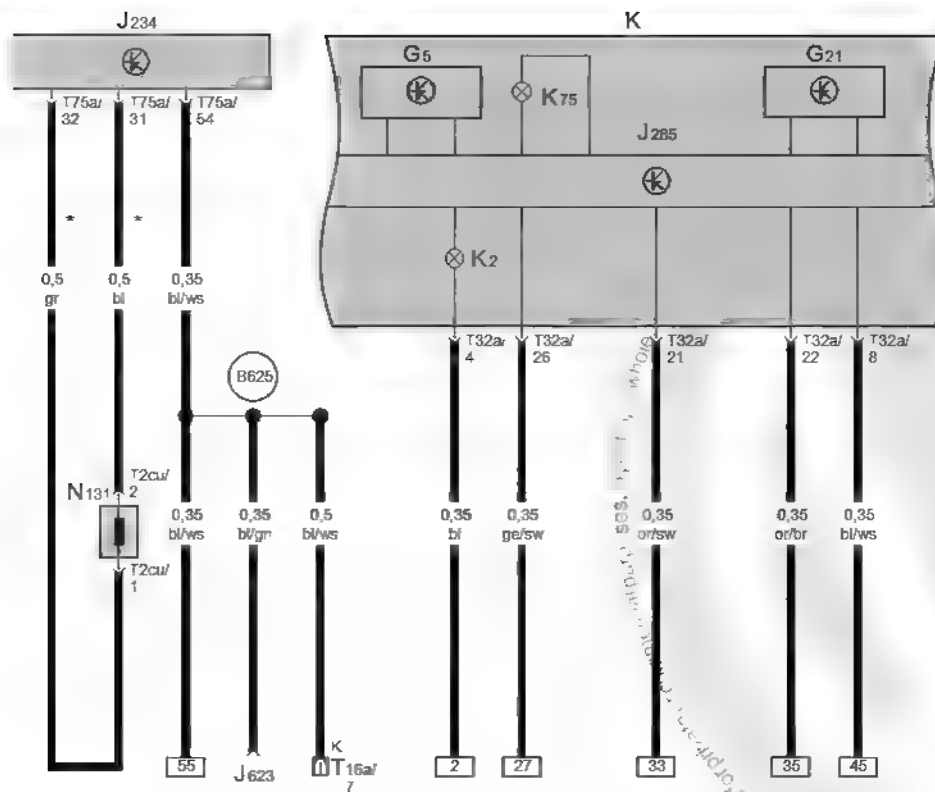
From April 2011

Tachometer Speedometer Control unit w indicator on the combined instrument  
Combined instrument Alternator control light  
Airbag warning light

- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- J623 Engine control unit
- K2 Alternator control light
- K75 Airbag warning light
- N131 Trigger 1 for passenger front airbag
- T2cu Fitting connector 2pin on trigger 1 for passenger front airbag
- T16a Fitting connector 16 poles in diagnosis
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

(B625) Connection diagnostic cable K on main harness

Only for vehicles with passenger's airbag



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



## Fog headlight

From March 2010

### Notes

For information about

- ◆ Location of relay and fuse

- ◆ Connectors

- ◆ Control units

- ◆ Earth points

- See fitting locations

For information about

- ◆ Assisted fault pinpointing

- See Guided functions



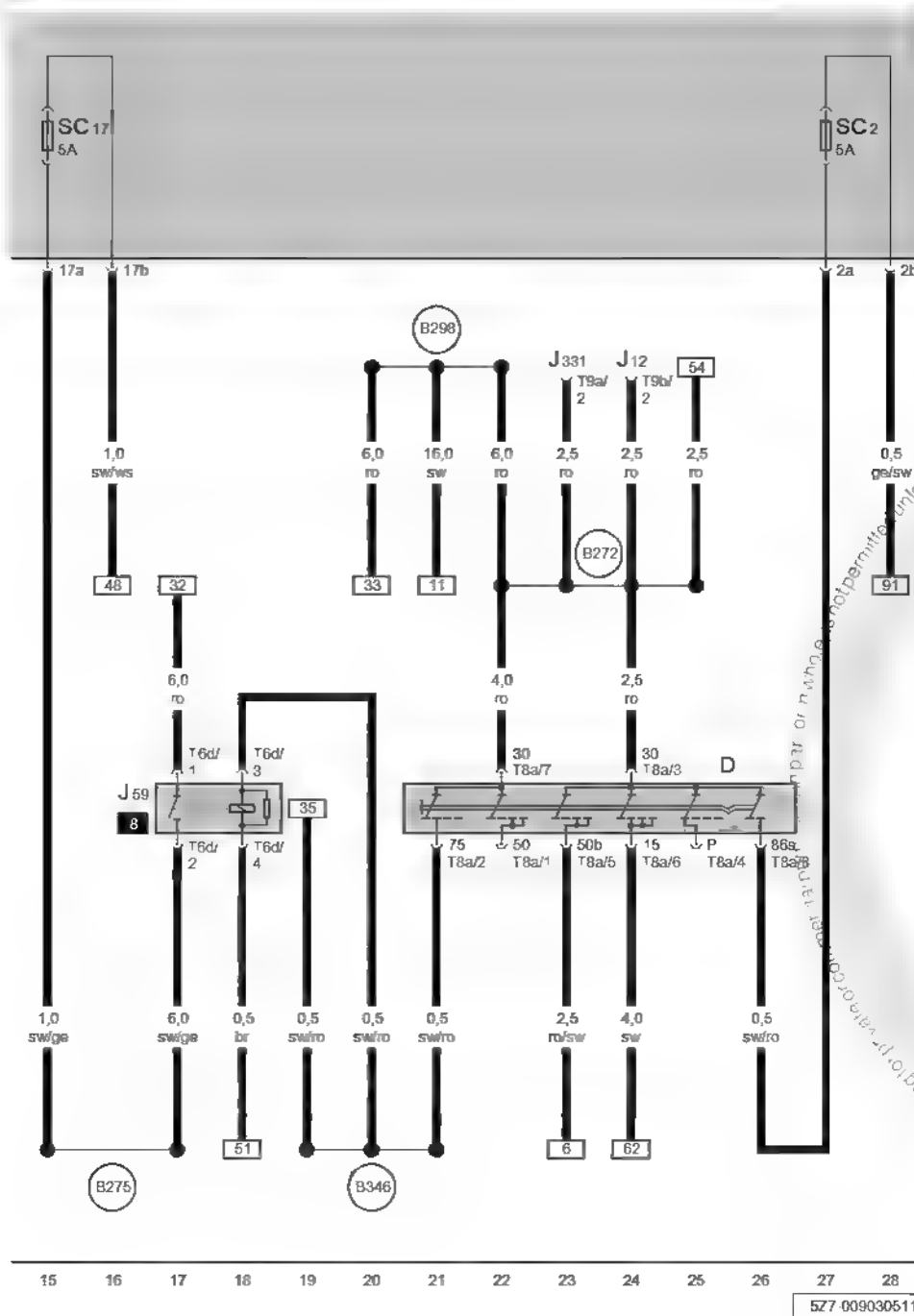


A	Battery
B	Starter
C	Generator Alternator
C1	Voltage regulator
J623	Engine control unit
S162	Fuse 1 30 in battery fuse holder
S163	Fuse 2 30 in battery fuse holder
T1j	Fitting connector single on starter
T2ak	Fitting connector 2pin on engine compartment
T2ar	Fitting connector 2pin on generator alternator

49 | Earth point near the battery

507 | Screw connection 30 battery fuse holder

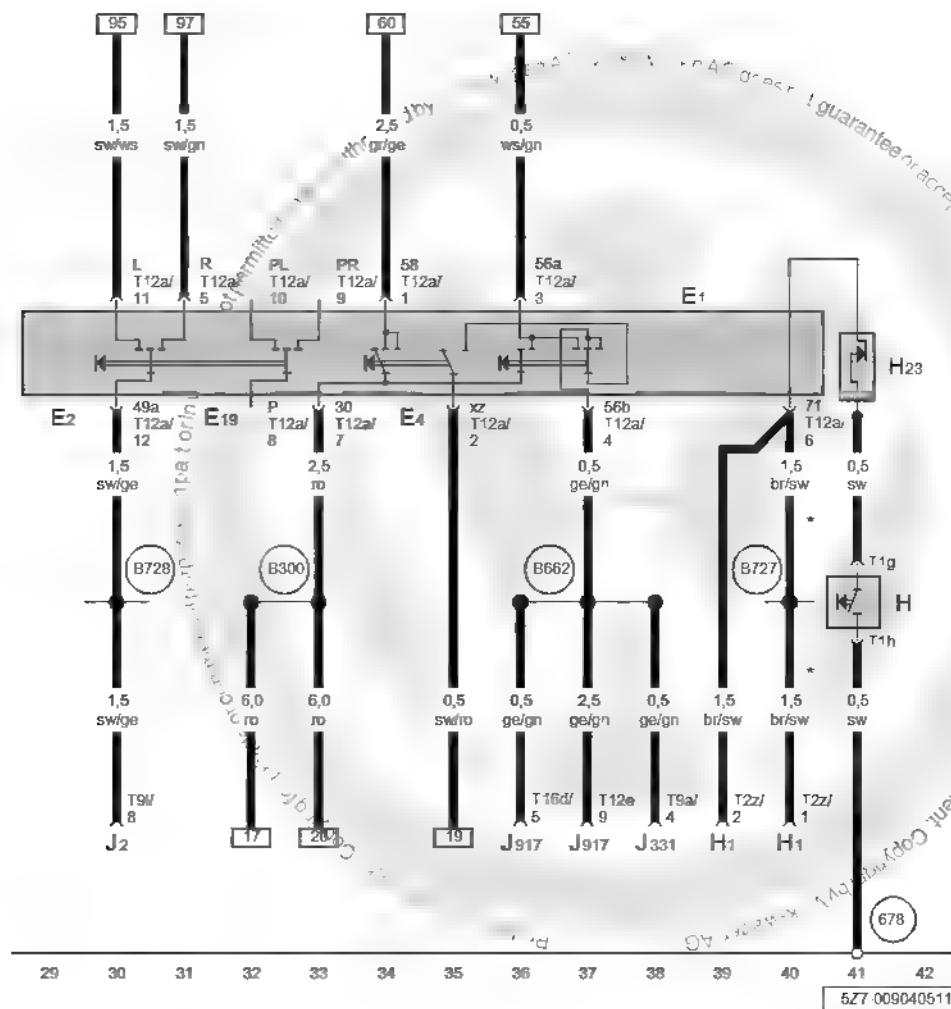




# Ignition switch Xcontact relief relay

- D Ignition switch
- J12 Headlight main beam relay
- J59 Xcontact relief relay
- J331 Dipped beam relay
- SC2 Fuse 2 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch
- T9a Fitting connector 6pin in dipped beam relay
- T9b Fitting connector 6pin in headlight main beam relay
- B272 Positive connection 30 on main harness
- B275 Positive connection 87 on main harness
- B298 Positive connection 24 on main harness
- B346 Connection 175 on main harness

ws white  
sw black  
ro red  
br brown  
gr green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Light switch Flashingturn light switch Headlight dipper and flasher switch Parking light switch Horn activator Horn activation contact ring

- E1 Light switch
- E2 Flashingturn light switch
- E4 Headlight dipper and flasher switch
- E19 Parking light switch
- H Horn activator
- H1 Horn or dual tone horn
- H23 Horn activation contact ring
- J2 Hazard warning light relay
- J331 Dipped beam relay
- T1g Fitting connector single on horn activator
- T1h Fitting connector single on horn activator
- T2z Fitting connector 2pin in horn or dual tone horn
- T9a Fitting connector 9pin in dipped beam relay
- T9l Fitting connector 9pin on warning light relay
- T12a Fitting connector 12 poles in light switch

678 Earth point on steering wheel

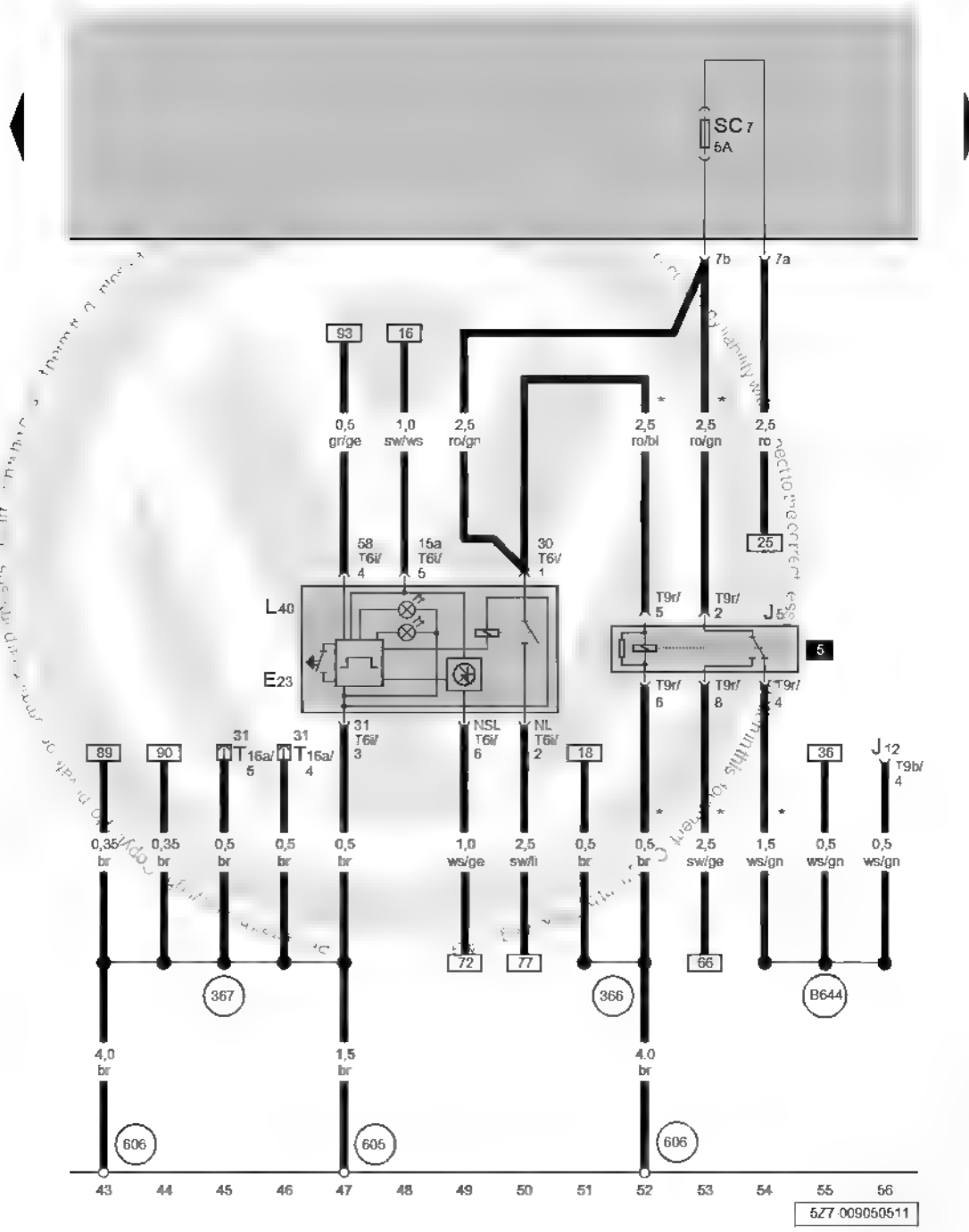
B300 Positive connection 4 30 on main harness

B662 Connection 2 56b on main harness

B727 Connection 71a on main harness

B728 Connection 49a on main harness

Only for vehicles with multifunction steering wheel



Front and rear fog light switch illumination bulb Fog light relay

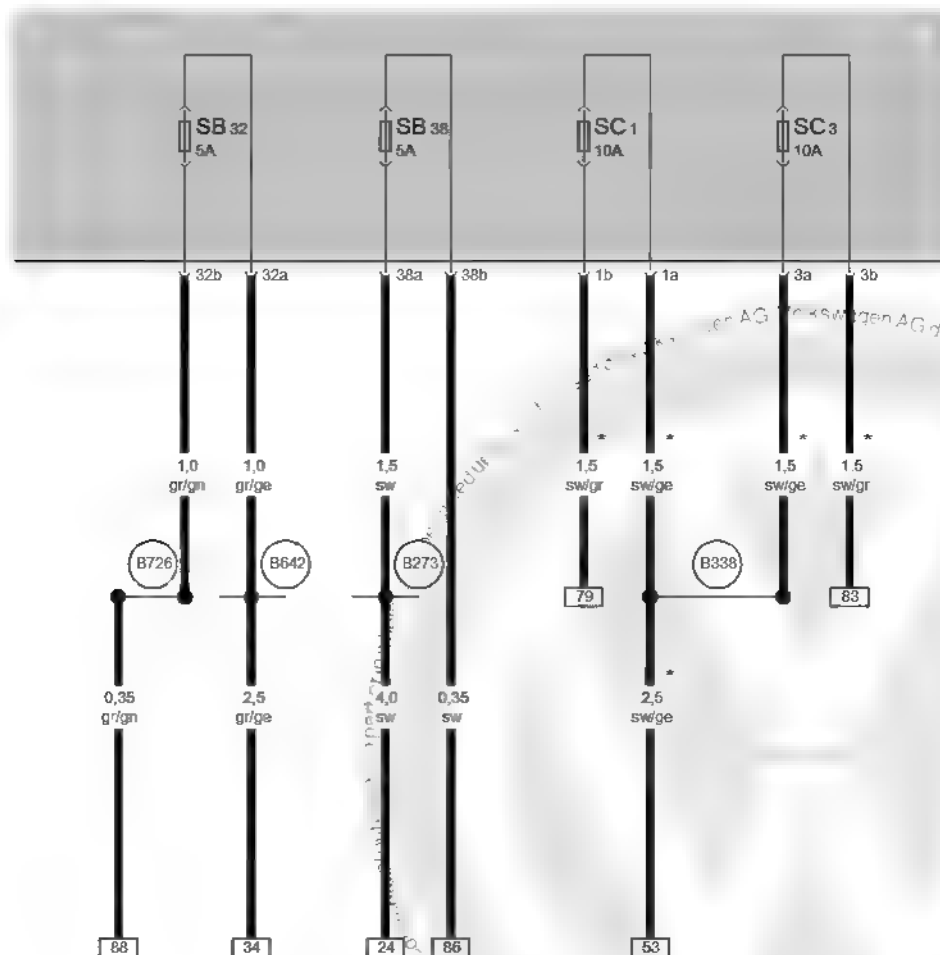
- E23 Front and rear fog light switch
- L40 Front and rear fog light switch illumination bulb
- J5 Fog light relay
- J12 Headlight main beam relay
- SC7 Fuse 7 on fuse holder C
- T6i Fitting connector 6pin in front and rear fog light switch
- T9b Fitting connector 9pin in headlight main beam relay
- T9r Fitting connector 9pin in fog light relay
- T16a Fitting connector 16 poles in diagnosis

- 366 Earth connection 1 in main harness
- 367 Earth connection 2 in main harness
- 605 Earth point in upper steering column area
- 606 Earth point under the centre console near the selection lever
- B644 Connection 3 56a on main harness

Only for CROSS vehicles

# Fuses

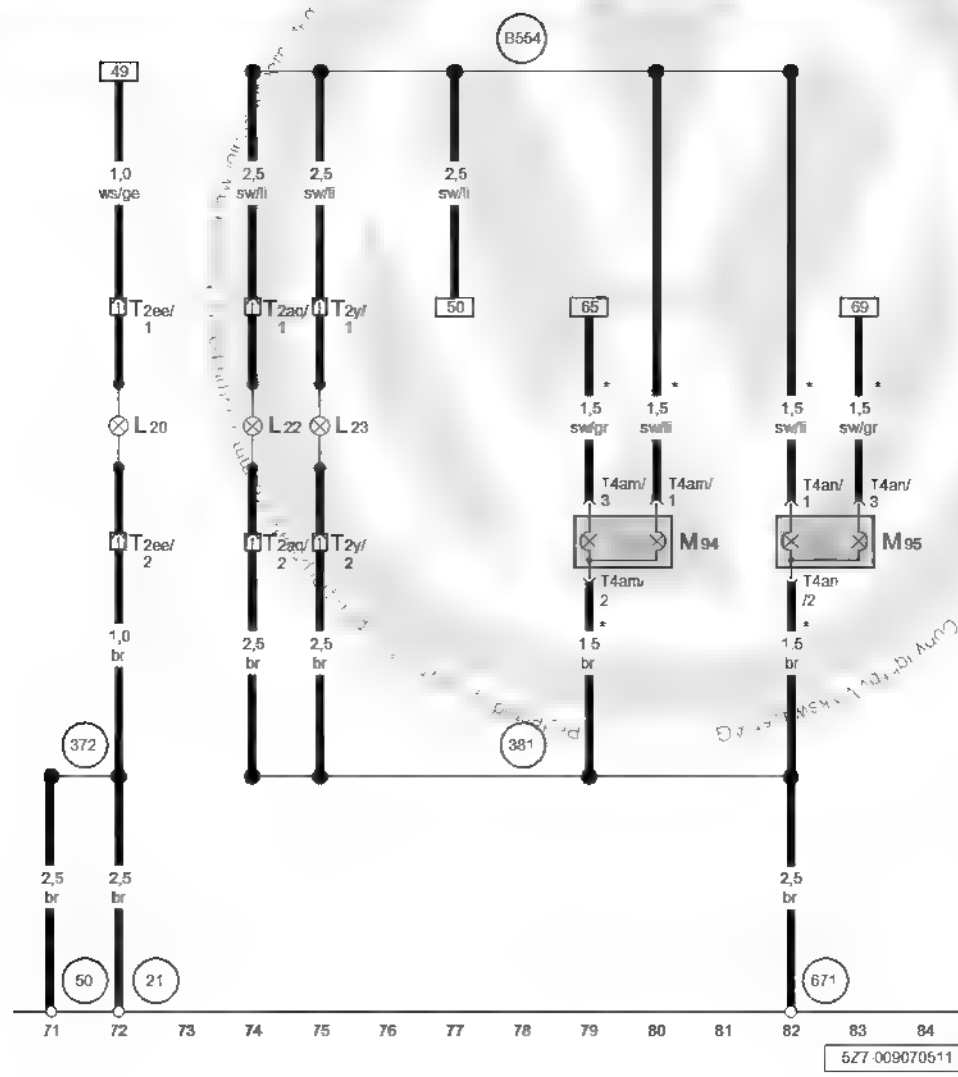
- SB32 Fuse 32 on fuse holder B
  - SB38 Fuse 38 on fuse holder B
  - SC1 Fuse 1 on fuse holder C
  - SC3 Fuse 3 on fuse holder C
  - B273 Positive connection 15 on main harness
  - B338 Connection 1 56 on main harness
  - B642 Positive connection 58 on main harness
  - B726 Positive connection 2 58 on main harness
- Only for CROSS vehicles



57	58	59	60	61	62	63	64	65	66	67	68	69	70

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white  
black  
red  
brown  
green  
blue  
grey  
purple  
yellow  
orange  
pink

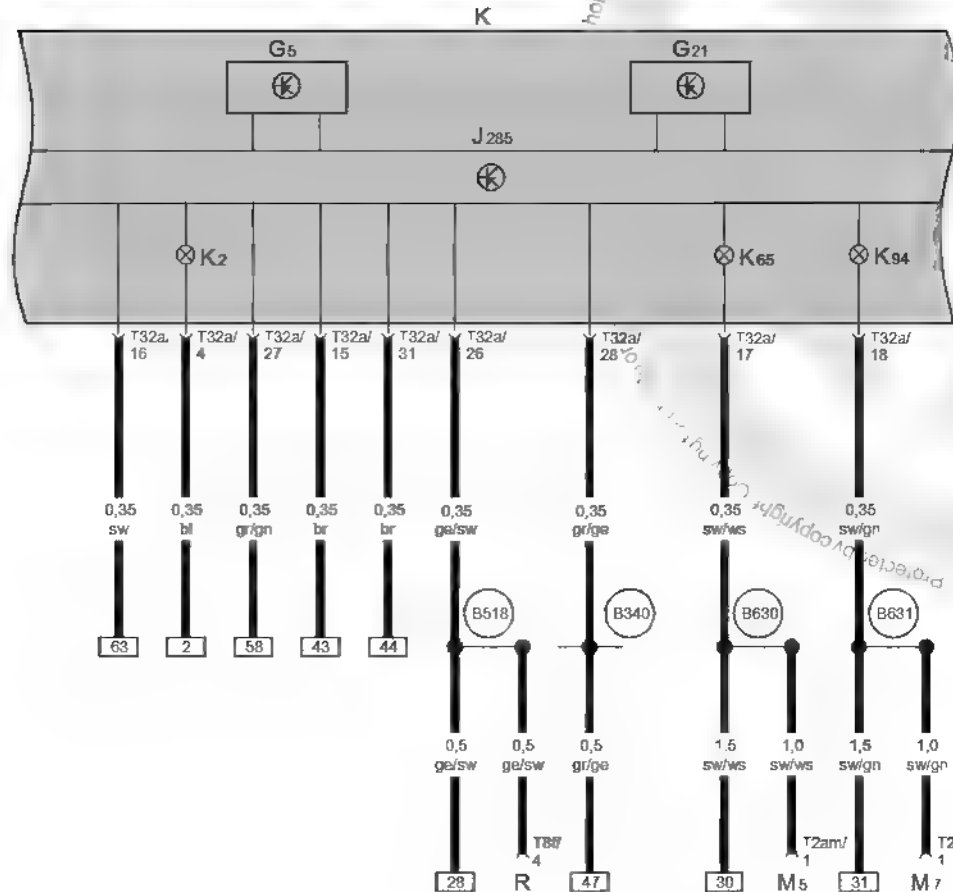
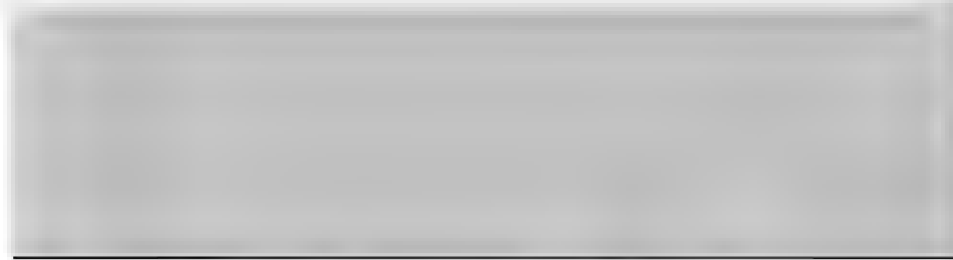


Rear fog light bulb Left fog light lamp Right fog light lamp Left main beam headlight and fog light bulb Right main beam headlight and fog light bulb

- L20 Rear fog light bulb
- L22 Left fog light lamp
- L23 Right fog light lamp
- M94 Left main beam headlight and fog light bulb
- M95 Right main beam headlight and fog light bulb
- T2aq Fitting connector 2pin in left fog light lamp
- T2ee Fitting connector 2pin in Rear fog light lamp
- T2y Fitting connector 2pin in right fog light lamp
- T4am Fitting connector 2pin in left front indicator light lamp
- T4an Fitting connector 4pin on right main beam headlight and fog light bulb

- 21 ) Earth point near fuel pump
  - 50 Earth point on left luggage compartment
  - 372 Earth connection 7 in main harness
  - 381 Earth connection 16 in main harness
  - 671 Earth point 1 on left front longitudinal member
  - B554 Connection fog light on main harness
- Only for CROSS vehicles

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Tachometer Speedometer Control unit w indicator on the combined instrument Alternator control light Left turn signal control light Right turn signal control light

- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- K2 Alternator control light
- K65 Left turn signal control light
- K94 Right turn signal control light
- M5 Left front indicator light lamp
- M7 Right front indicator light lamp
- R Radio
- T2x Fitting connector 2 pin in right front indicator light lamp
- T2am Fitting connector 2 pin in left front indicator light lamp
- T8f Fitting connector 8 pin on radio
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

- B340 Connection 1 58 on main harness
- B518 Connection 86 on main harness
- B630 Connection turn signal left on main harness
- B631 Connection turn signal right on main harness

ws white  
 sw black  
 ro red  
 br brown  
 gn green  
 bl blue  
 gr grey  
 li purple  
 ge yellow  
 or orange  
 rs pink



## Air conditioning Denso Control Unit

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

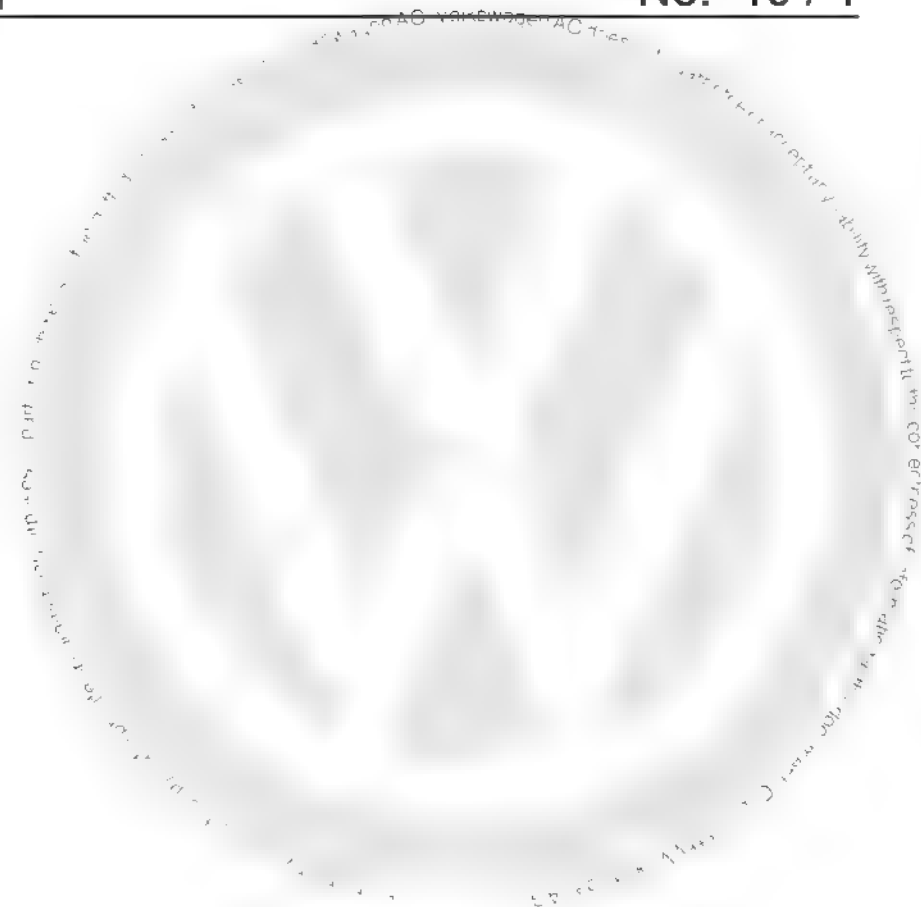
◆ Earth points

→ See fitting locations

For information about

◆ Assisted fault pinpointing

→ See Guided functions



Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- S164 Fuse 3 30 in battery fuse holder
- S180 Fuse 8 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

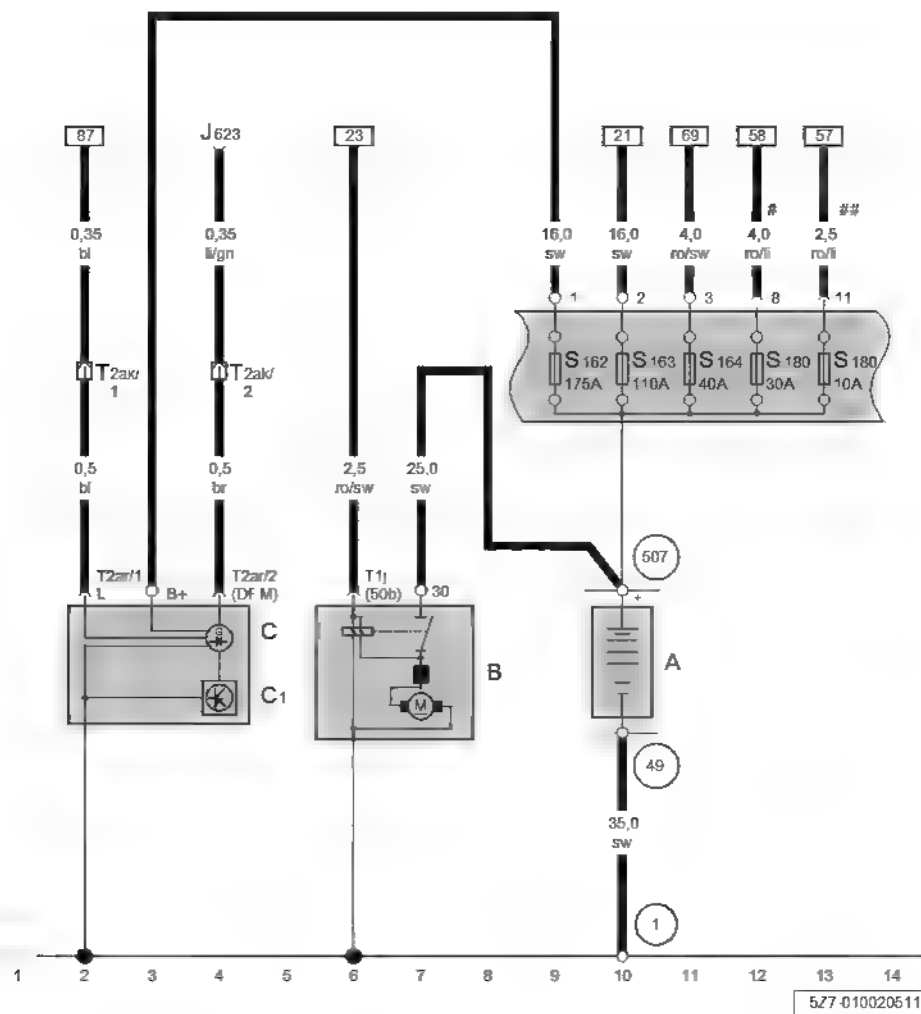
1 ) Earth strap battery body

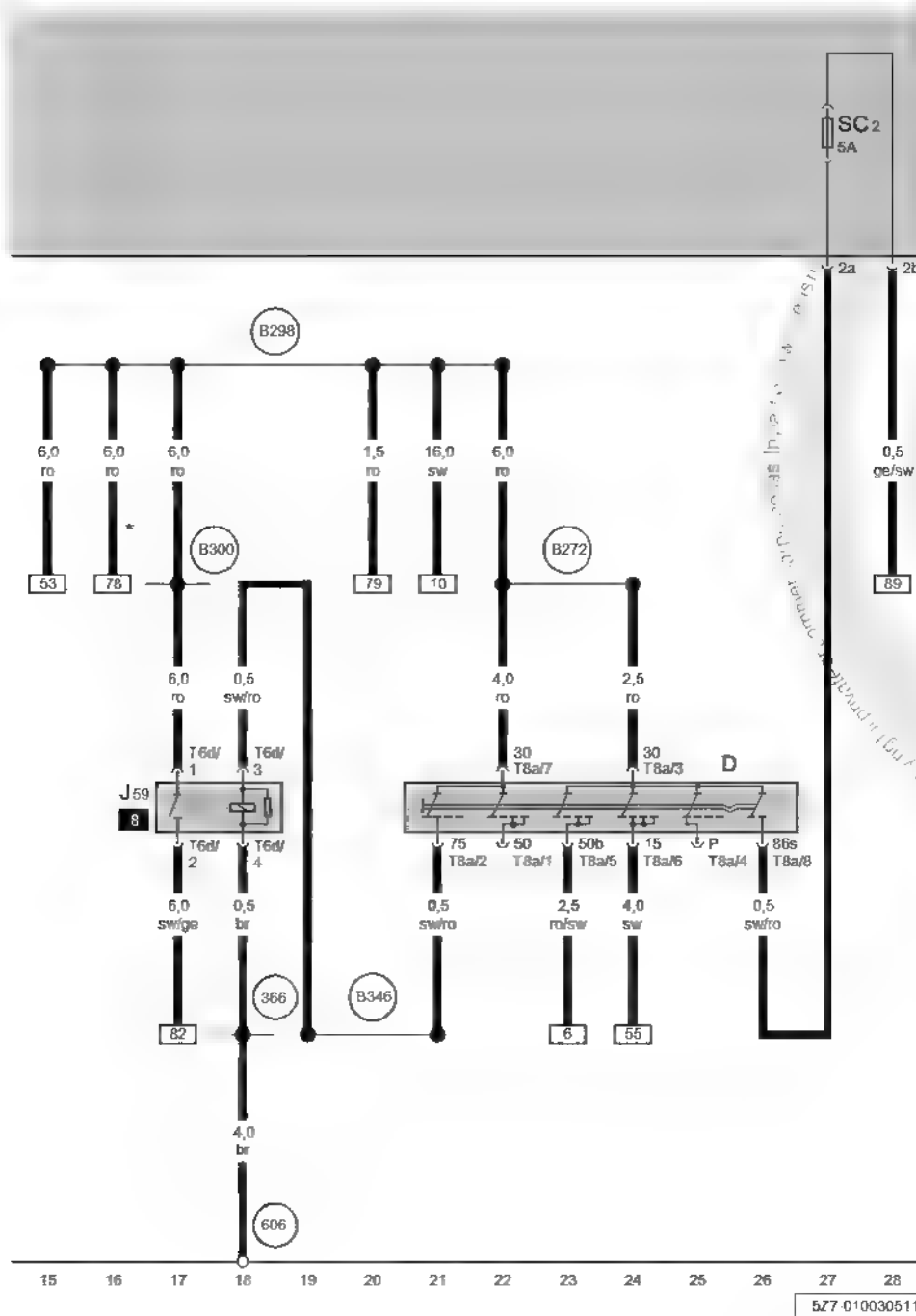
49 ) Earth point near the battery

507 ) Screw connection 30 battery fuse holder

Until February 2011  
From February 2011

- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink





# Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SC2 Fuse 2 on fuse holder C
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch

- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B272 Positive connection 30 on main harness
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B346 Connection 1 75 on main harness

Only for vehicles with convenience system

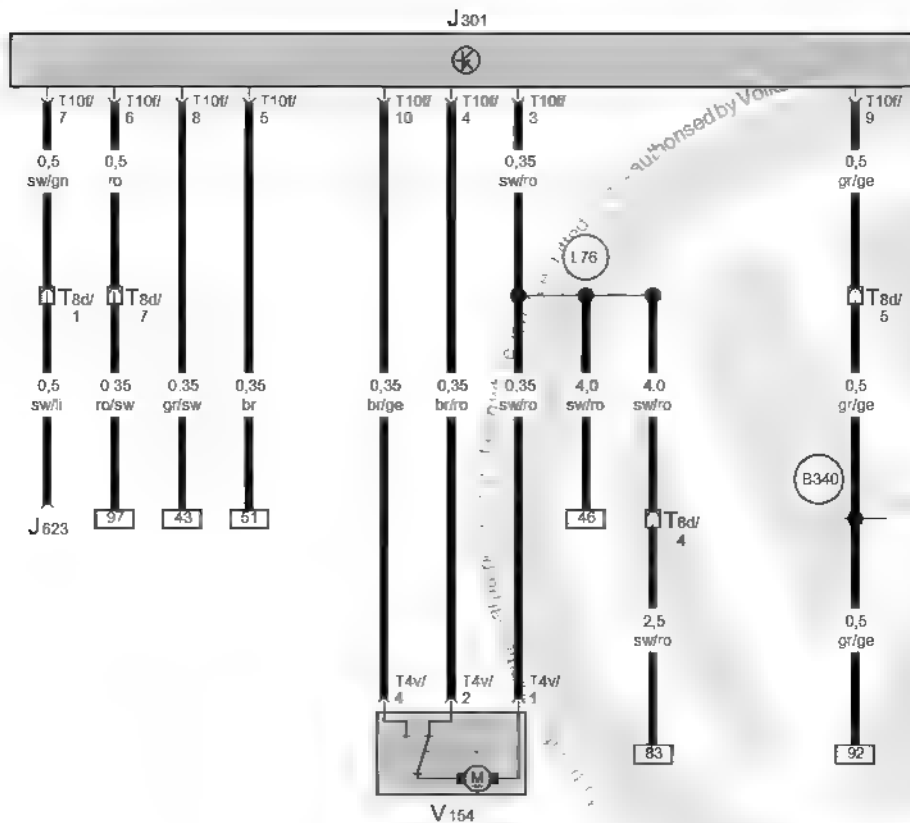
- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink

Air conditioning system control unit Fresh air valve and recirculation valve control motor

- J301 Air conditioning system control unit
- J623 Engine control unit
- T4v Fitting connector 4pin on control motor for the fresh air valve and the recirculation valve
- T8d Fitting connector 8pin on behind dash panel centre
- T10f Fitting connector 10 poles on Air conditioning system control unit
- V154 Control motor for the fresh air valve and the recirculation valve

(B340) Connection 1 58d on main harness

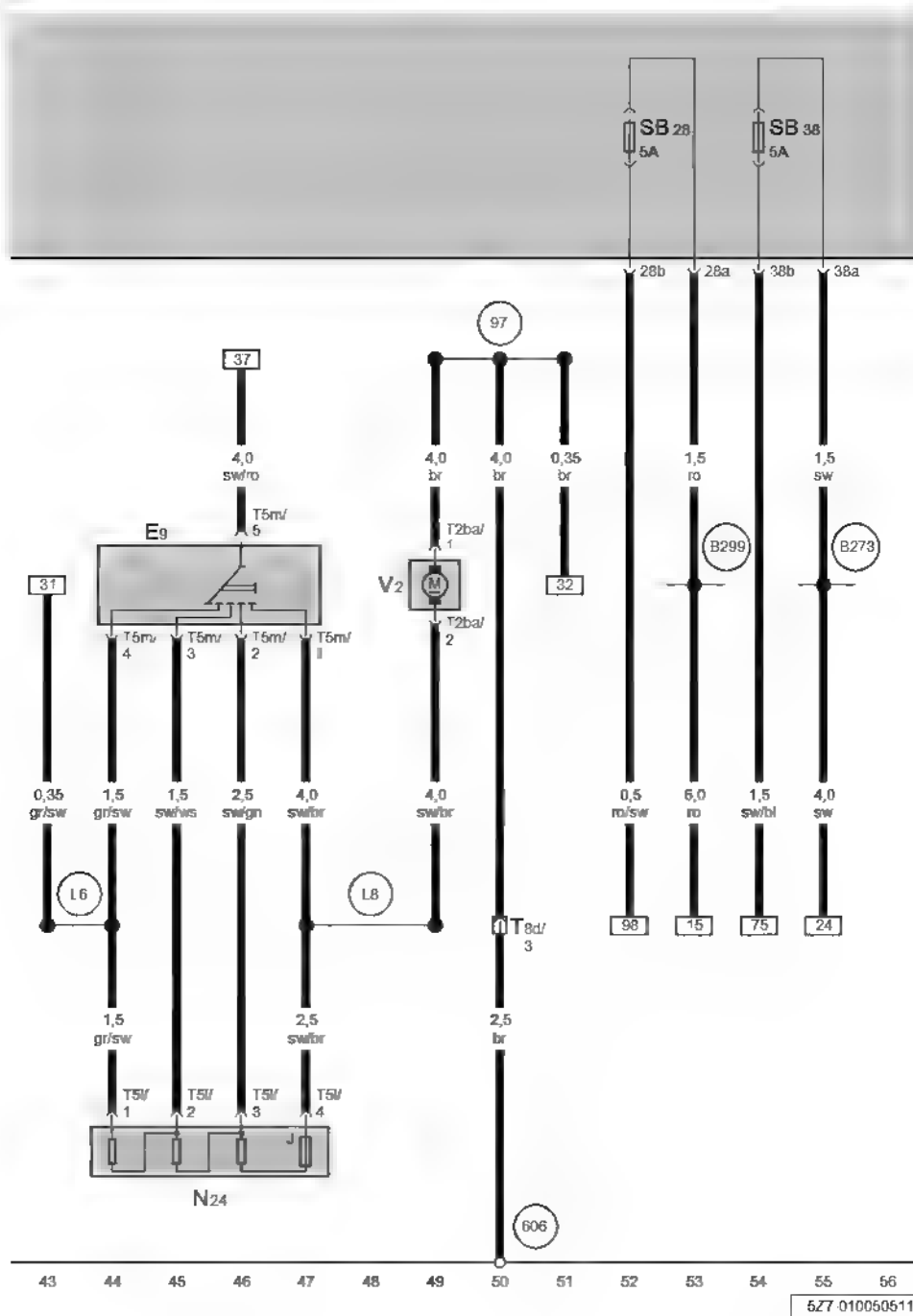
(L76) Connection 87 on air conditioning wiring harness



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

29 30 31 32 33 34 35 36 37 38 39 40 41 42

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Rear fresh air blower switch with overheating fuse Fresh air blower series resistor Fresh air blower

- E9 Fresh air blower switch
- N24 Fresh air blower series resistor with overheating fuse
- SB28 Fuse 28 on fuse holder B
- SB38 Fuse 38 on fuse holder B
- T2ba Fuse 16 on fuse holder C
- T5l Fitting connector 5pin on fresh air blower series resistor with overheating fuse
- T5m Fitting connector 5pin on fresh air blower switch
- T8d Fitting connector 8pin on behind dash panel centre
- V2 Fresh air fan

- 97 Earth connection 1 on air conditioning wiring harness
- 606 Earth point under the centre console near the selection lever
- B273 Positive connection 15 on main harness
- B299 Positive connection 3 30 on main harness
- L6 Connection 2 on wiring harness for box of the air conditioning
- L8 Connection 4 on wiring harness for box of the air conditioning

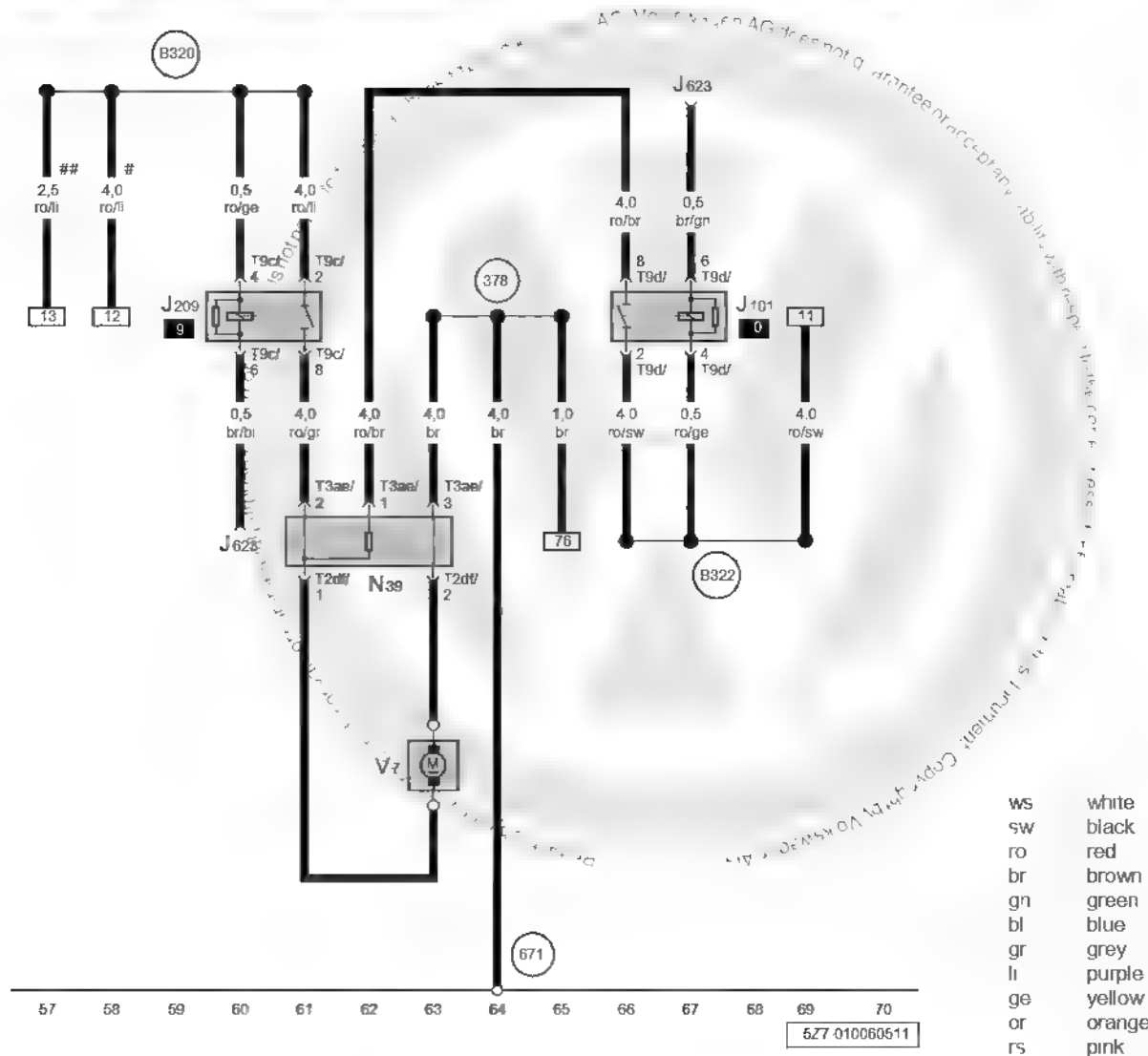
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

Radiator fan 2nd speed relay Fresh air blower and radiator fan relay Radiator fan series resistor Radiator fan

- J101 Radiator fan 2nd speed relay
- J209 Fresh air blower and radiator fan relay
- J623 Engine control unit
- N39 Radiator fan series resistor
- T2df Fitting connector 2pin on radiator fan
- T3ae Fitting connector 3pin on Radiator fan series resistor
- T9c Fitting connector 9pin fresh air blower and radiator fan relay
- T9d Fitting connector 9pin on Radiator fan 2nd speed relay
- V7 Radiator fan

- 378 Earth connection 13 in main harness
- 671 Earth point 1 on left front longitudinal member
- B320 Positive connection 6 30a on main harness
- B322 Positive connection 8 30a on main harness

Until February 2011  
From February 2011



High pressure sensor  
Air conditioning system switchoff relay  
Air conditioning system magnetic clutch

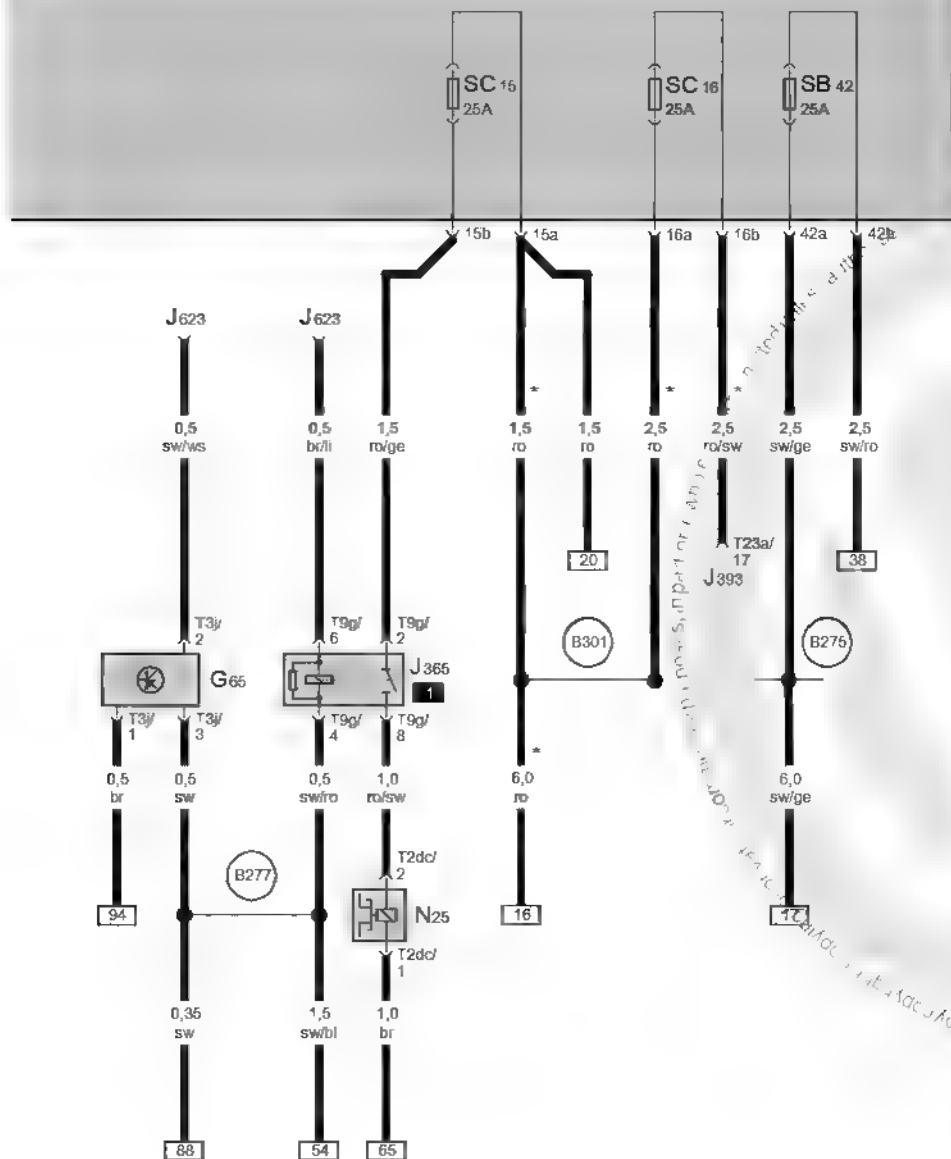
- G65 High pressure sensor
- J365 Air conditioning system switchoff relay
- J393 Central control unit for the convenience system
- J623 Engine control unit
- N25 Air conditioning system magnetic clutch
- SB38 Fuse 42 on fuse holder B
- SC15 Fuse 15 on fuse holder C
- SC16 Fitting connector 2pin on air conditioning system magnetic clutch
- T2dc Fitting connector 2pin on air conditioning system magnetic clutch
- T3j Fitting connector 3pin on high pressure sensor
- T9g Fitting connector 9pin on Air conditioning system switchoff relay
- T23a Fitting connector 23 poles on central control unit for the convenience system

(B275) Positive connection 87 on main harness

(B277) Positive connection 15a on main harness

(B301) Positive connection 530 on main harness

Only for vehicles with convenience system



71 72 73 74 75 76 77 78 79 80 81 82 83 84

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Tachometer Speedometer Control unit w indicator on the combined instrument Combined instrument Alternator control light

- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- J393 Central control unit for the convenience system
- J623 Engine control unit
- K Combined instrument
- K2 Alternator control light
- R Radio
- T8f Fitting connector 8pin on radio
- T16a Fitting connector 16 poles in diagnosis
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

367 Earth connection 2 in main harness

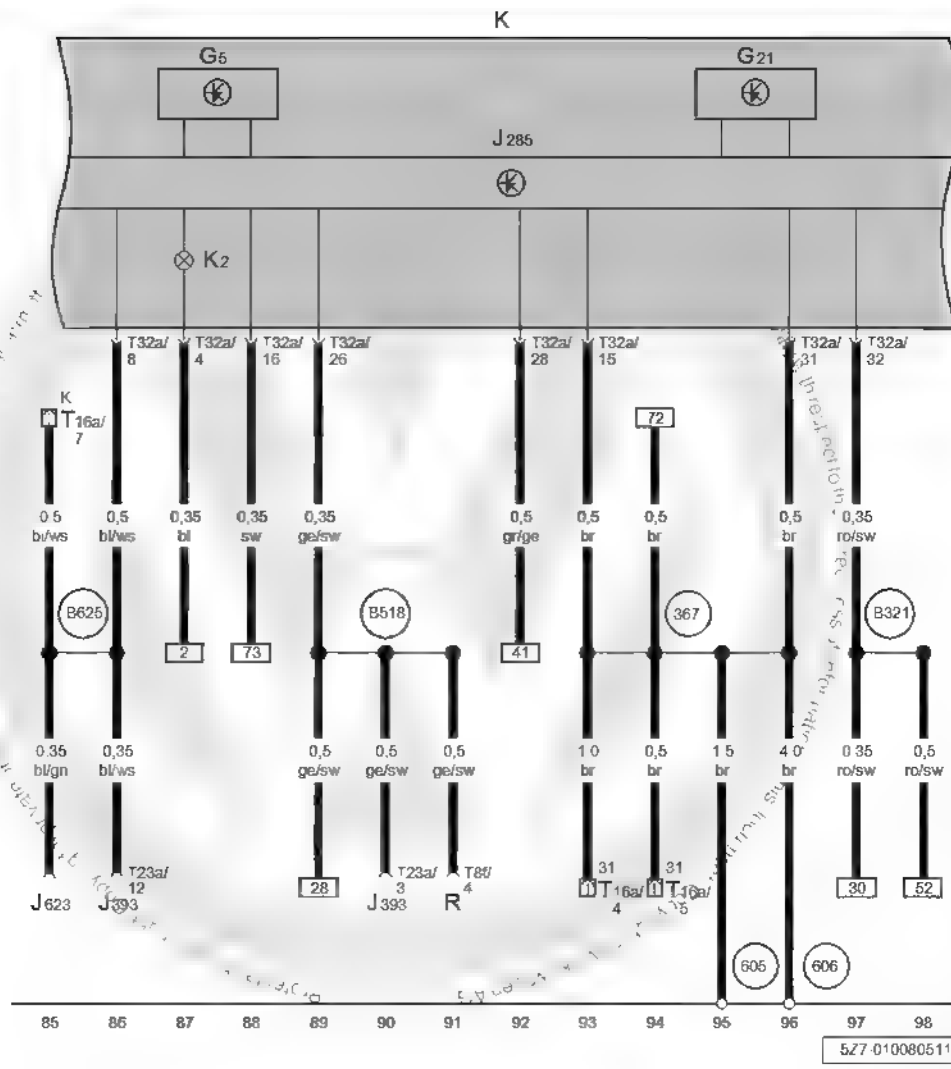
605 Earth point in upper steering column area

606 Earth point under the centre console near the selection lever

B321 Positive connection 7 30a on main harness

B518 Connection 86s on main harness

B625 Connection diagnostic cable K on main harness





## Radio

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

→ See fitting locations

For information about

◆ Assisted fault pinpointing

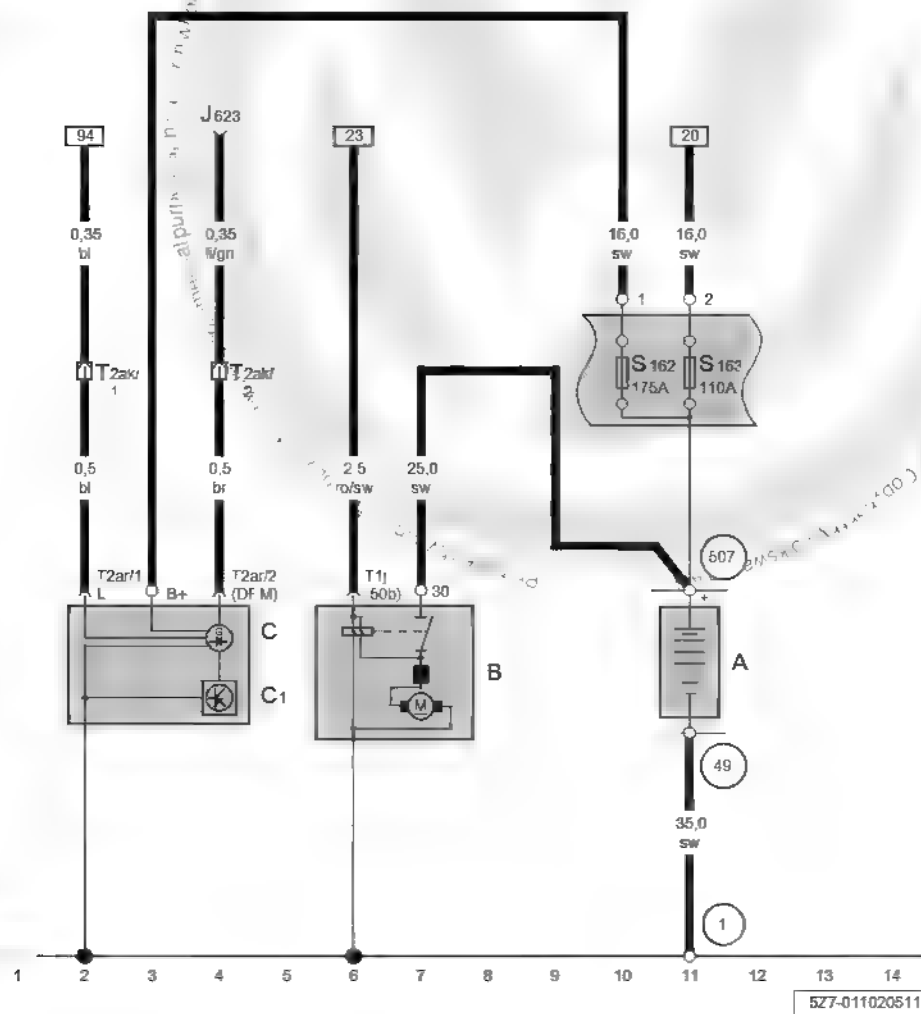
→ See Guided functions



Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- (1) Earth strap battery body
- (49) Earth point near the battery
- (507) Screw connection 30 battery fuse holder



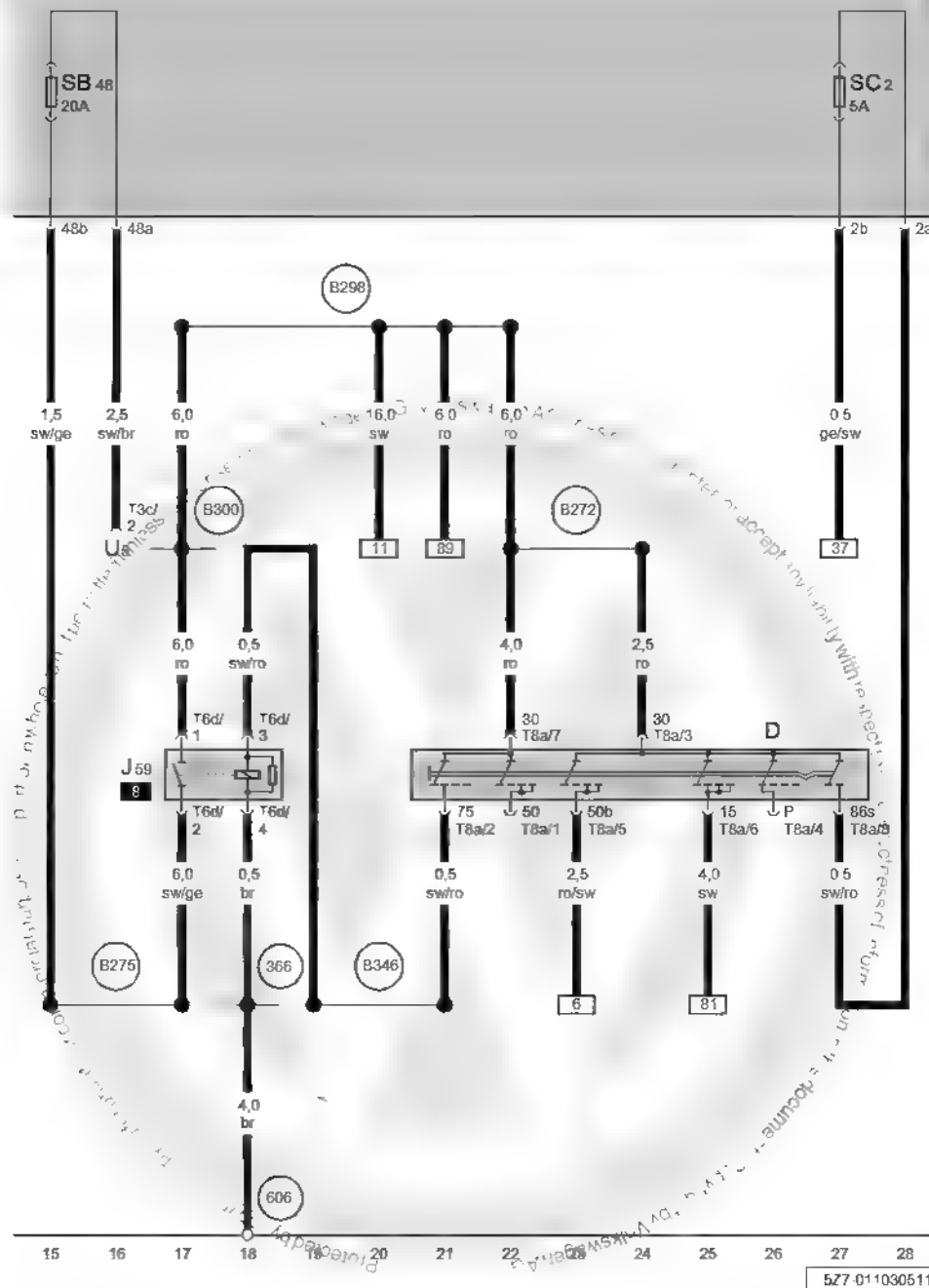
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 ro red  
 br brown  
 gn green  
 bl blue  
 gr grey  
 li purple  
 ge yellow  
 or orange  
 rs pink

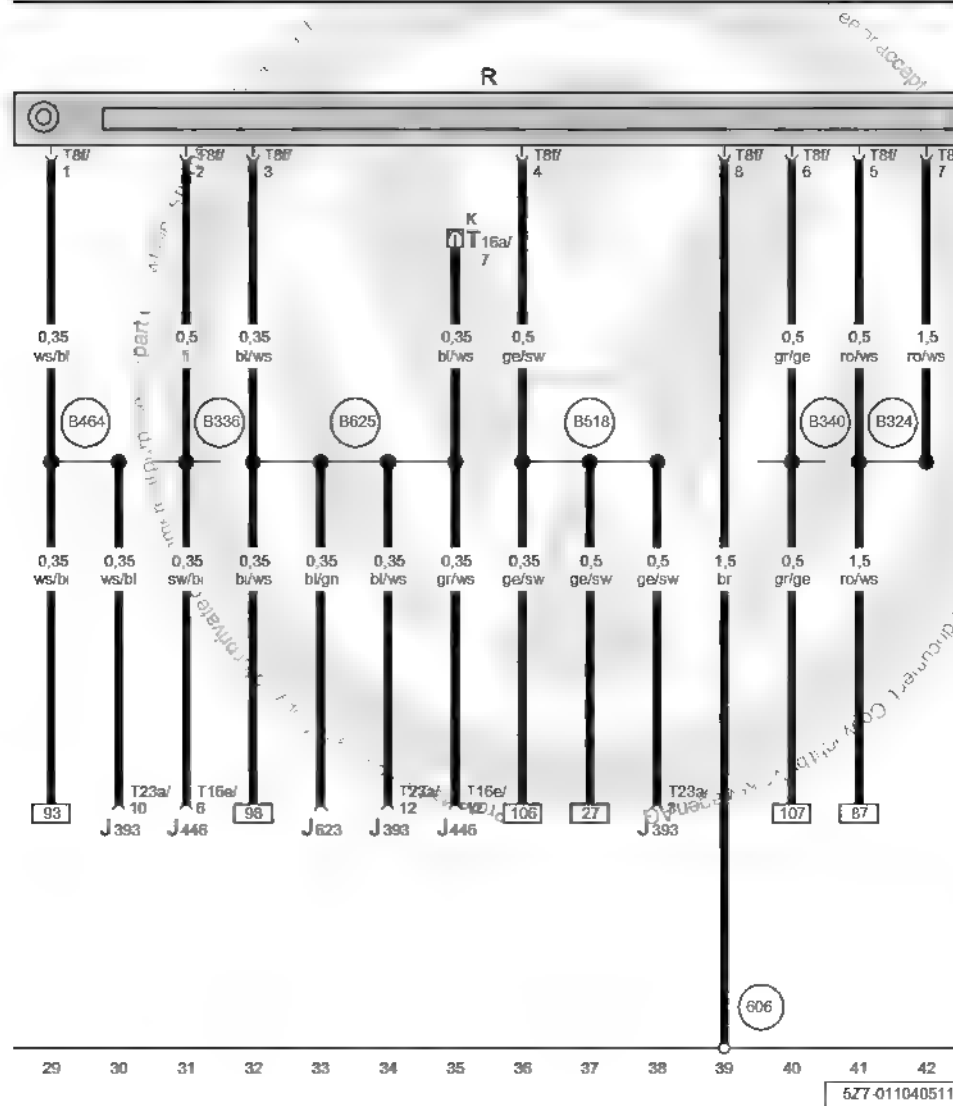
# Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SB48 Fuse 48 on fuse holder B
- SC2 Fuse 2 on fuse holder C
- T3c Fitting connector 3pin on 12volt socket
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch
- U5 12volt socket

- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B272 Positive connection 30 on main harness
- B275 Positive connection 87 on main harness
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B346 Connection 1 75 on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



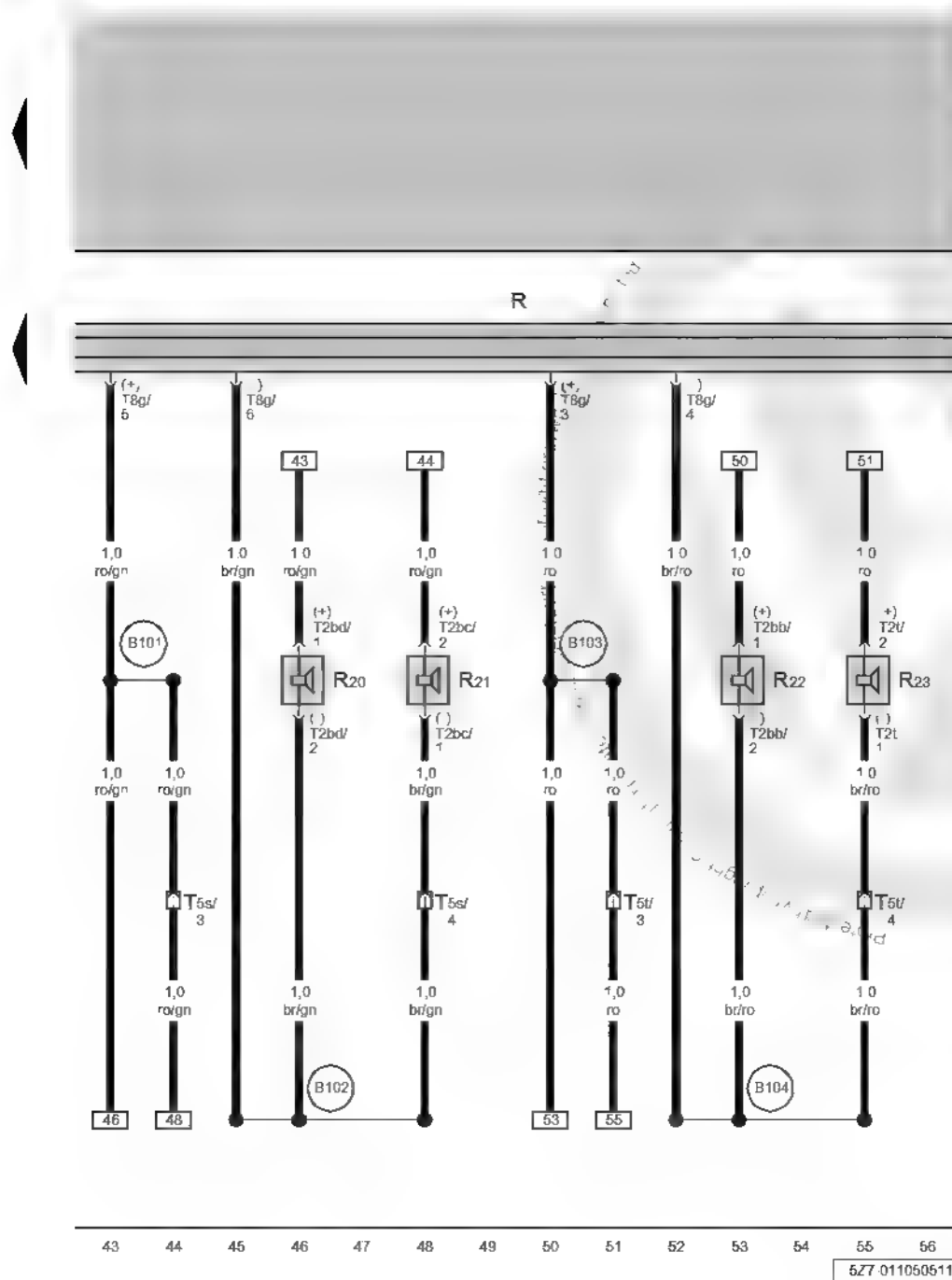


# Radio

- J393 Central control unit for the convenience system
- J446 Control unit for parking aid
- J623 Engine control unit
- R Radio
- T8f Fitting connector 8pin on radio
- T16a Fitting connector 16 poles in diagnosis
- T16e Fitting connector 16 poles on control unit for parking aid
- T23a Fitting connector 23 poles on central control unit for the convenience system

- 606 Earth point under the centre console near the selection lever
- B324 Positive connection 10 30a on main harness
- B336 Connection 2 54 on main harness
- B340 Connection 2 54 on main harness
- B464 Connection speed signal on main harness
- B518 Connection 86s on main harness
- B625 Connection diagnostic cable K on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Radio Front left loudspeaker for treble sounds Front left loudspeaker for bass sounds Front right loudspeaker for treble sounds Front right loudspeaker for bass sounds

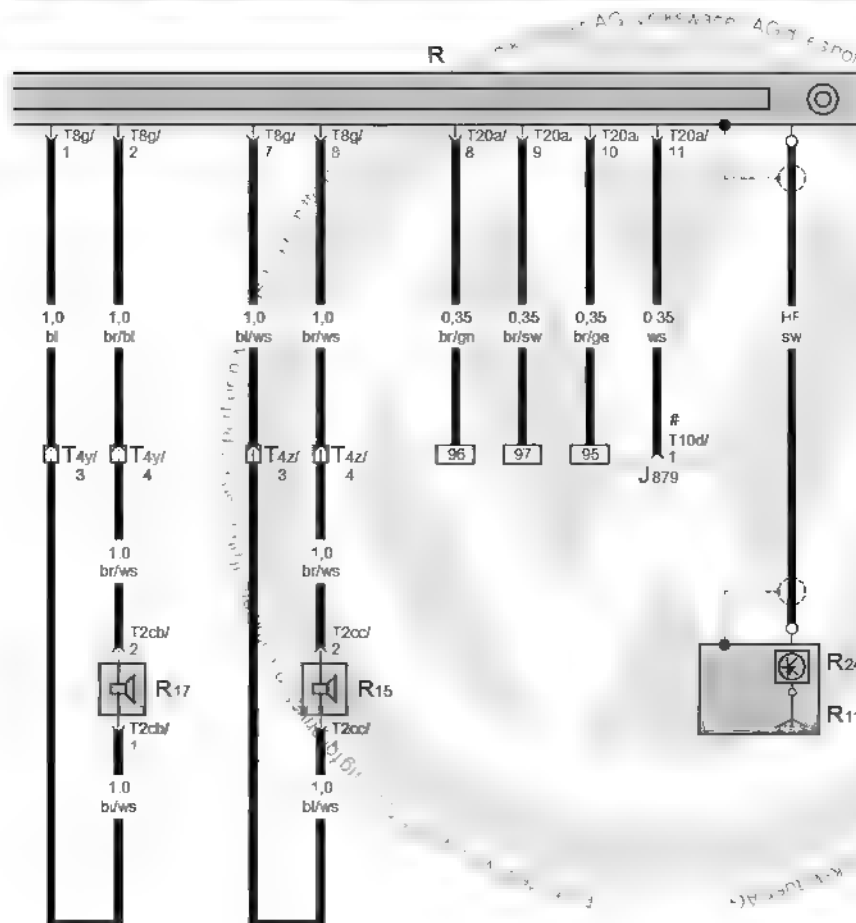
- R Radio
- R20 Front left loudspeaker for treble sounds
- R21 Front left loudspeaker for bass sounds
- R22 Front right loudspeaker for treble sounds
- R23 Front right loudspeaker for bass sounds
- T2bb Fitting connector 2pin on front right loudspeaker for treble sounds
- T2bc Fitting connector 2pin on front left loudspeaker for bass sounds
- T2bd Fitting connector 2pin on front left loudspeaker for treble sounds
- T2t Fitting connector 2pin on front right loudspeaker for bass sounds
- T5s Fitting connector 5pin driver door
- T5t Fitting connector 5pin passenger's door
- T8g Fitting connector 8pin on radio

- B101 Connection front left loudspeaker on main harness
- B102 Connection front left loudspeaker on main harness
- B103 Connection front right loudspeaker on main harness
- B104 Connection front right loudspeaker on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

Radio Antenna Left rear loudspeaker for bass sounds Right rear loudspeaker for bass sounds Aerial amplifier

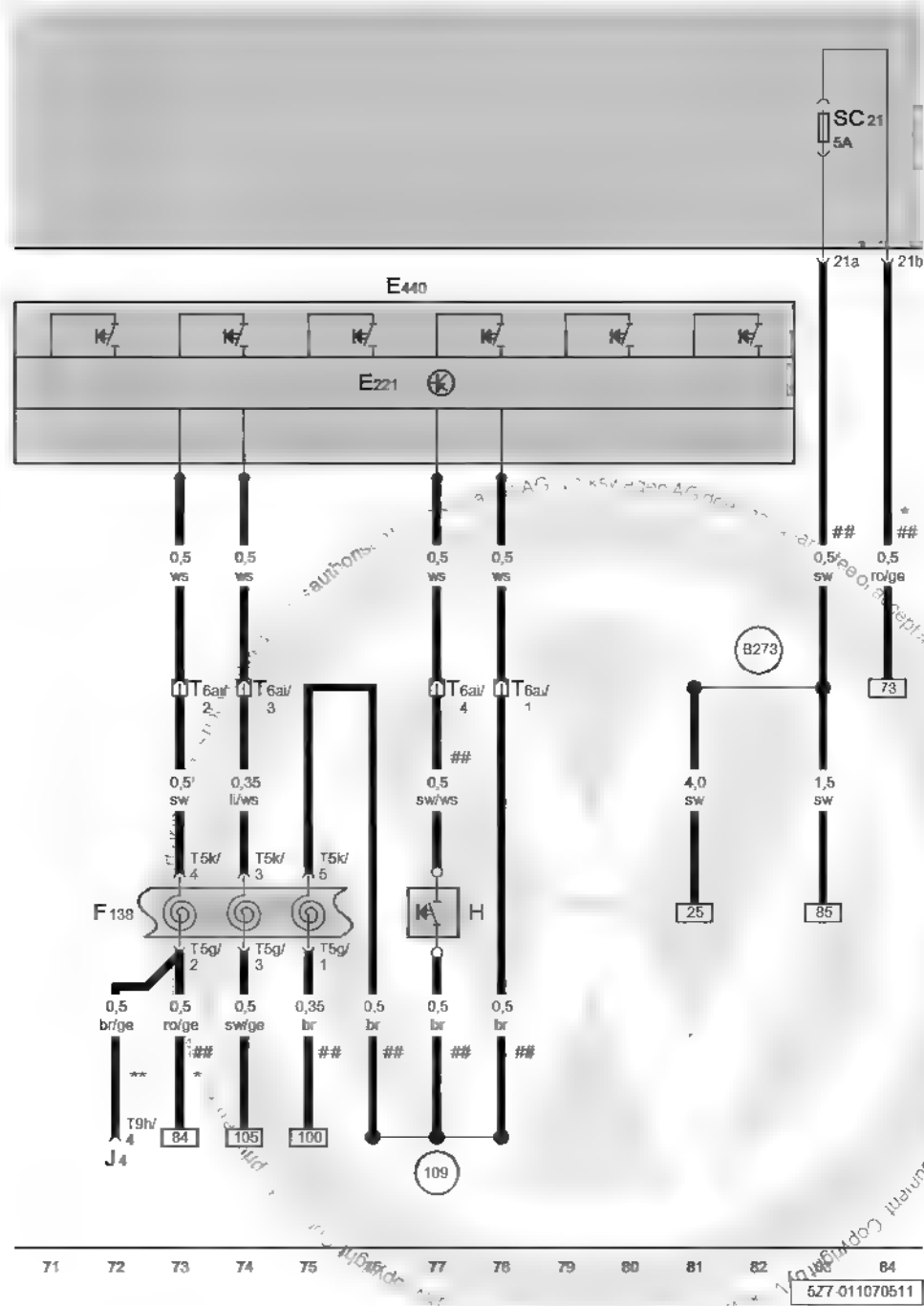
- J879 Control unit for interactive system
  - R Radio
  - R11 Antenna
  - R15 Left rear speaker for bass sounds
  - R17 Right rear speaker for bass sounds
  - R24 Aerial amplifier
  - T2cb Fitting connector 2pin on rear right loudspeaker for bass sounds
  - T2cc Fitting connector 2pin on rear left loudspeaker for bass sounds
  - T4y Fitting connector 4pin for rear right door
  - T4z Fitting connector 4pin for rear left door
  - T8g Fitting connector 8pin on radio
  - T10d Fitting connector 20 poles on control unit for interactive system
  - T20a Fitting connector 20 poles in radio
- From July 2010



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

57 58 59 60 61 62 63 64 65 66 67 68 69 70

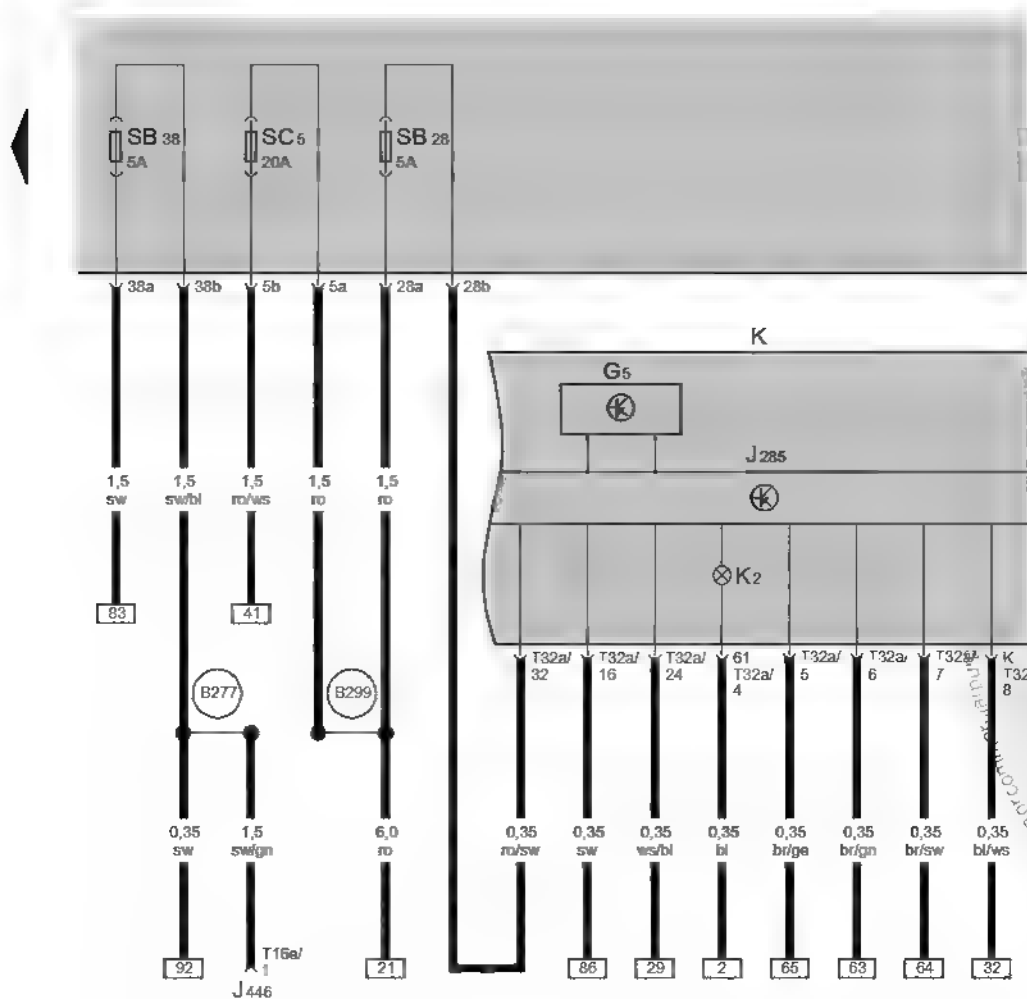
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Control unit on the steering wheel Multifunction controls on the left side of the steering wheel Airbag coil connector and return ring with slip ring Horn activator

- E221 Control unit on the steering wheel
- E440 Multifunction controls on the left side of the steering wheel
- F138 Airbag coil connector and return ring with slip ring
- H Horn activator
- J4 Dual tone horn relay
- SC21 Fuse 21 on fuse holder C
- T5g Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T5k Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T6ai Fitting connector 6pin in steering wheel
- T9h Fitting connector 9pin in dual tone horn relay
- 109 Earth connection in the airbag wiring harness
- B273 Positive connection 15 on main harness

Only for vehicles with multifunction steering wheel or driver's and passenger's airbag  
Only for vehicles with interactive system  
Only for vehicles with buttons on steering wheel for radio command



Tachometer Control unit w indicator on the combined instrument Combined instrument Alternator control light

- G5 Tachometer
- J285 Control unit w indicator on the combined instrument
- J446 Control unit for parking aid
- K Combined instrument
- K2 Alternator control light
- SB28 Fuse 28 on fuse holder B
- SB38 Fuse 38 on fuse holder B
- SC5 Fuse 5 on fuse holder C
- T16e Fitting connector 16 poles on control unit for parking aid
- T32a Fitting connector 32 poles in combined instrument

(B277) Positive connection 1 15a on main harness

(B299) Positive connection 3 30 on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

85 86 87 88 89 90 91 92 93 94 95 96 97 98

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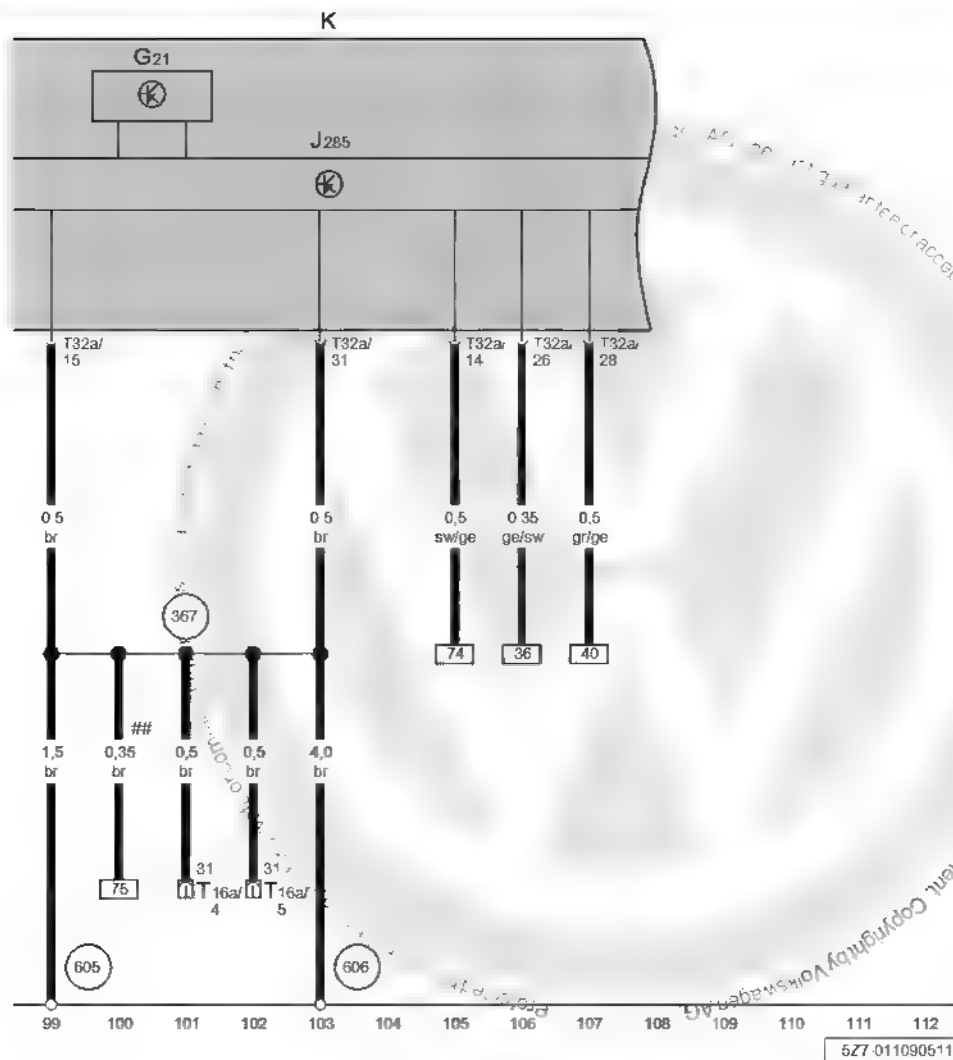


Speedometer Control unit w indicator on the combined instrument  
Combined instrument

- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- T16a Fitting connector 16 poles in diagnosis
- T32a Fitting connector 32 poles in combined instrument

- 367 Earth connection 2 in main harness
- 605 Earth point in upper steering column area
- 606 Earth point under the centre console near the selection lever

Only for vehicles with buttons on steering wheel for radio command



## Wiper and washer and defogger system

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

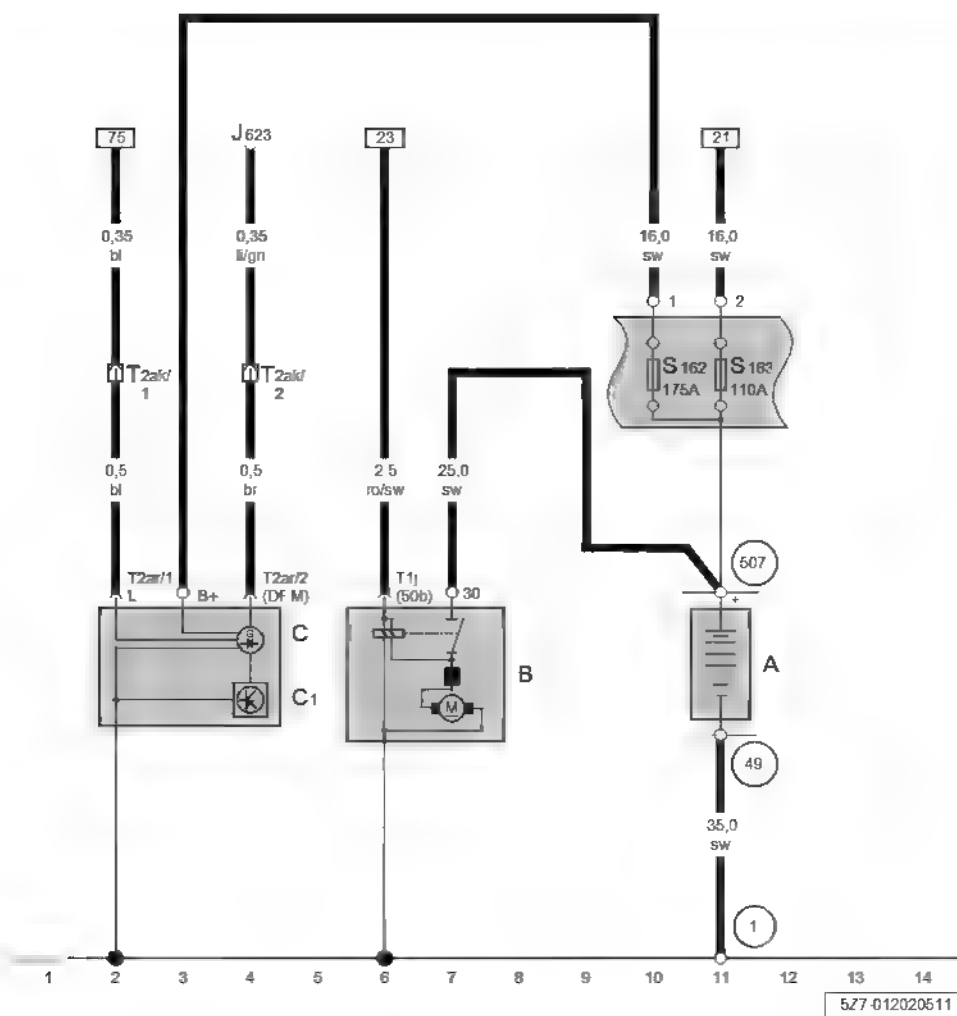
→ See fitting locations

For information about

◆ Assisted fault pinpointing

→ See Guided functions





# Battery Starter Generator Alternator Voltage regulator

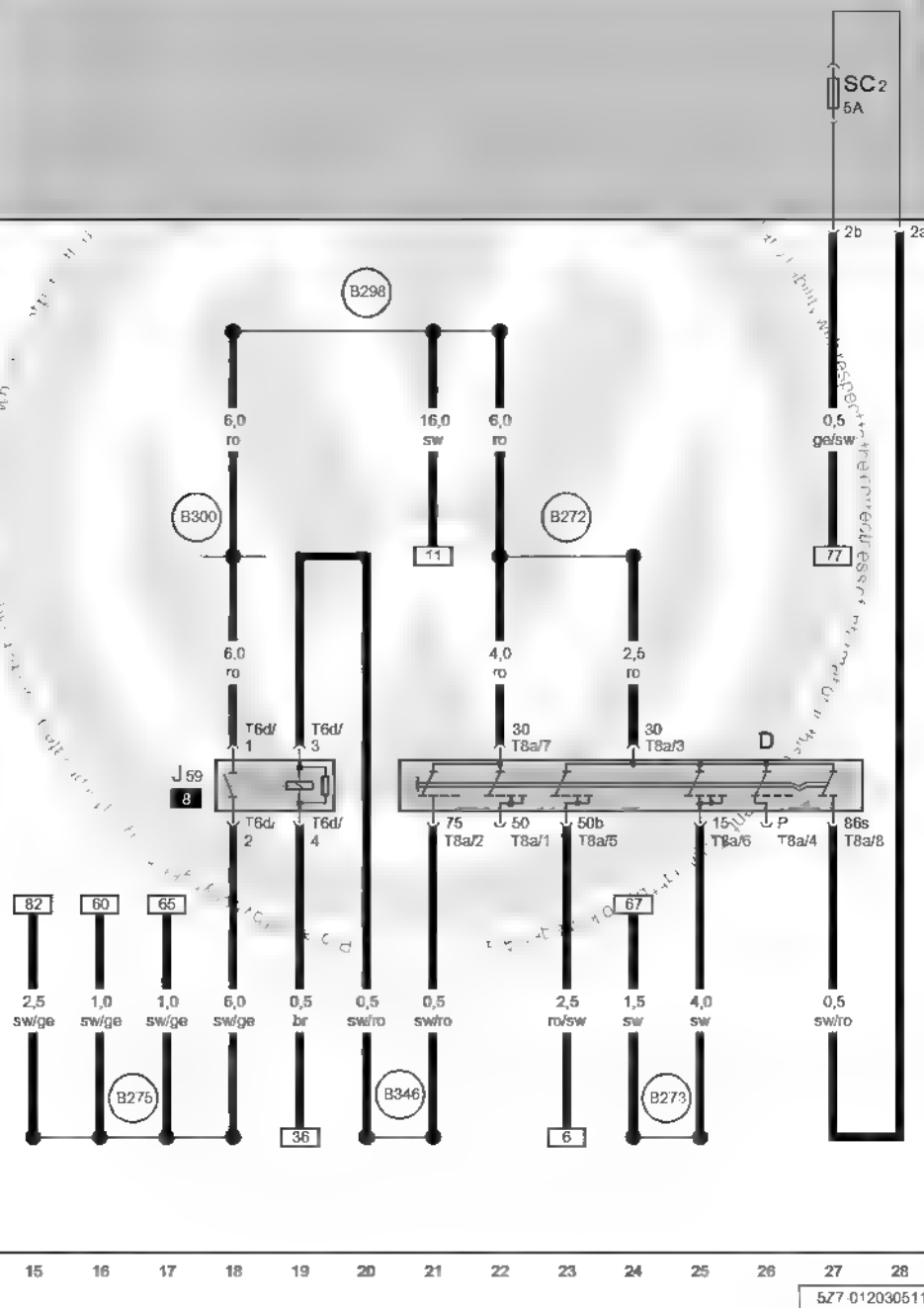
- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- 1 ) Earth strap battery body
- 49 ) Earth point near the battery
- 507 ) Screw connection 30 battery fuse holder

Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SC2 Fuse 2 on fuse holder C
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch

- B272 Positive connection 30 on main harness
- B273 Positive connection 15 on main harness
- B275 Positive connection 87 on main harness
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B346 Connection 1 75 on main harness



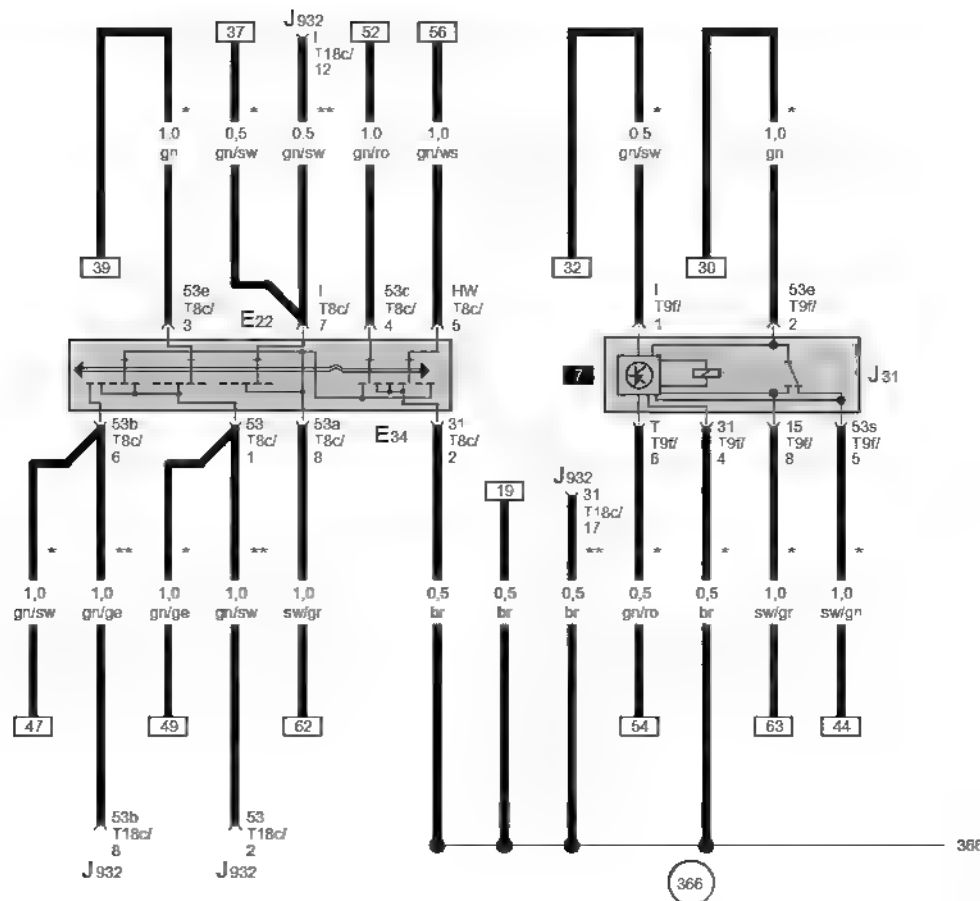
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

Windshield wiper timer switch intermittent operation Rear wiper switch Automatic intermittent wash and wiper relay

- E22 Windshield wiper timer switch intermittent operation
- E34 Rear wiper switch
- J31 Automatic intermittent wash and wipe relay
- J932 Automatic intermittent wash and wipe control unit
- T8c Fitting connector 8pin on windshield wiper timer switch intermittent operation
- T9f Fitting connector 9pin in automatic intermittent washer and wiper relay
- T18c Fitting connector 18 poles on automatic intermittent washer and wiper control unit

366 Earth connection 1 in main harness

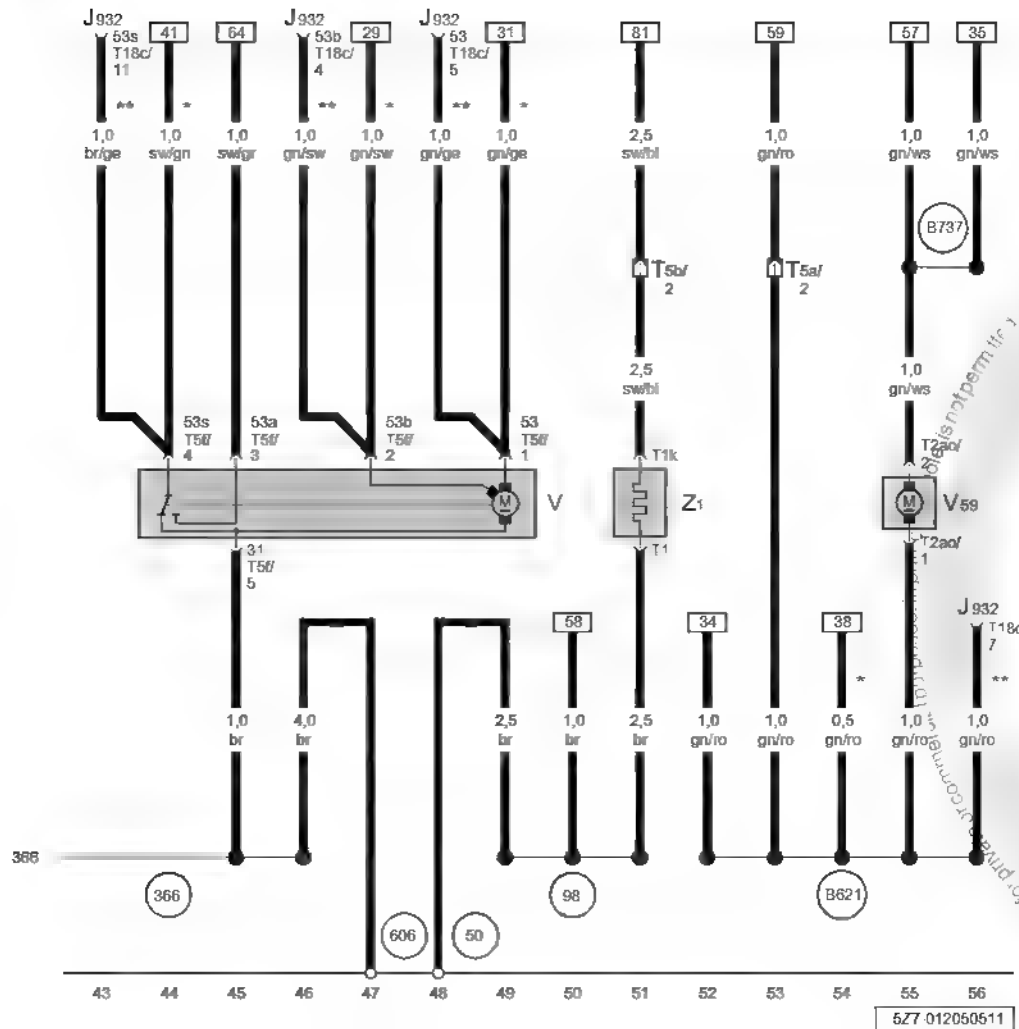
Only for vehicles without rain and light sensor  
Only for vehicles with rain and light sensor



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

Windshield wiper motor  
Windshield and rear window washer pump  
Heated rear window

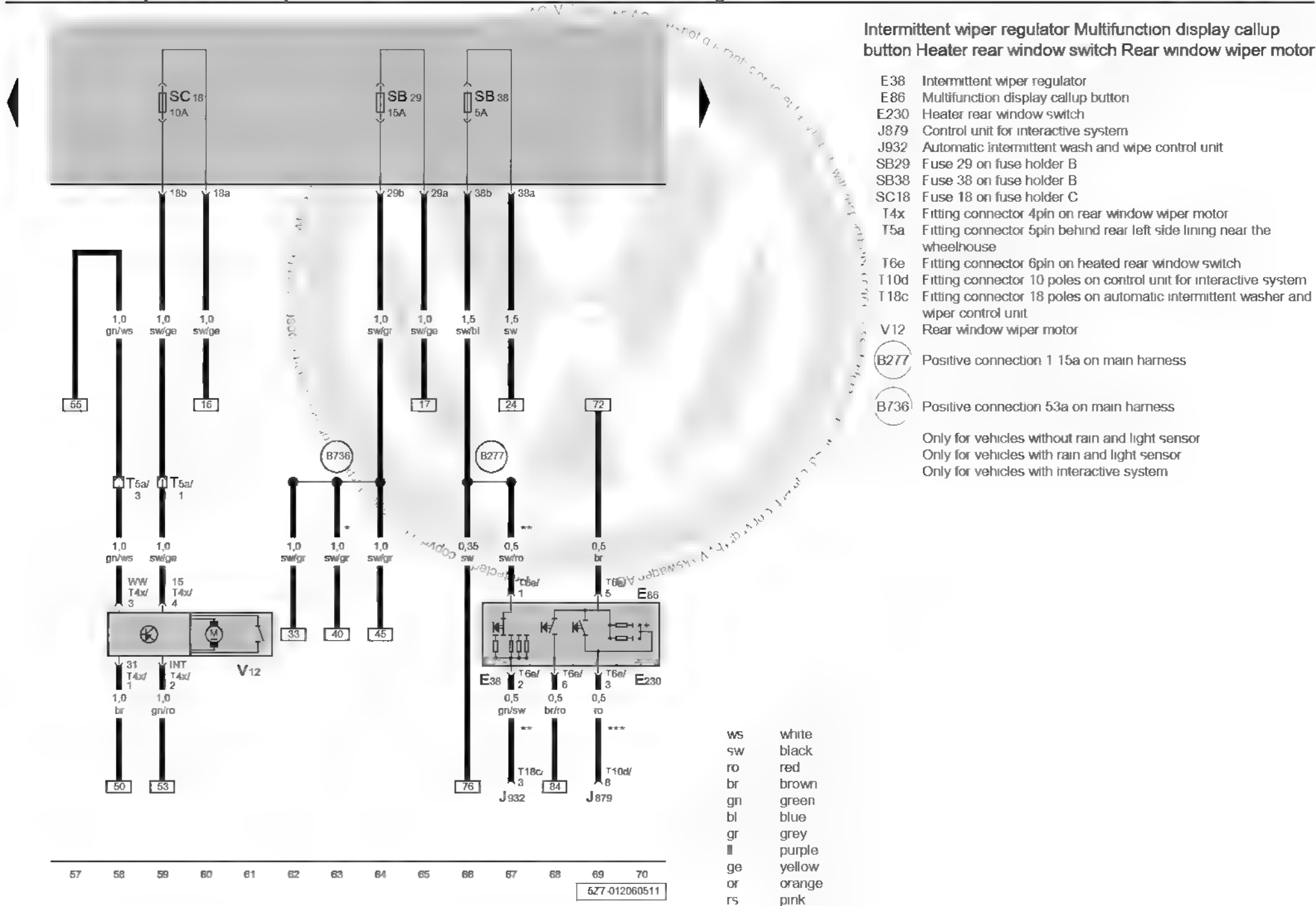
- J932 Automatic intermittent wipe control unit and
- T1k Fitting connector single heated rear window
- T1l Fitting connector single heated rear window
- T2ao Fitting connector 2pin in windshield and rear window washer pump
- T5a Fitting connector 5pin behind rear left side lining near the wheelhouse
- T5b Fitting connector 5pin behind rear left side lining near the wheelhouse
- T5f Fitting connector 5pin in windshield wiper motor
- T18c Fitting connector 18 poles on automatic intermittent washer and wiper control unit
- V Windshield wiper motor
- V59 Windshield and rear window washer pump
- Z1 Heated rear window

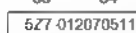


ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ll yellow  
or orange  
rs pink

- 50 Earth point on left luggage compartment
- 98 Earth connection on rear lid wiring harness
- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B621 Connection 1 53c on main harness
- B737 Connection 2 53c on main harness

Only for vehicles without rain and light sensor  
Only for vehicles with rain and light sensor





10-11-1944

G5	Tachometer
G21	Speedometer
J48	Heater rear window control relay
J285	Control unit indicator on the combined instrument
K	Combined instrument
K2	Alternator control light
K10	Rear window heating control light
T9i	Fitting connector 9pin on heated rear window control relay
T16a	Fitting connector 16 poles in diagnosis
T32a	Fitting connector 32 poles in combined instrument
SC12a	Fuse 16 on fuse holder C

(B347) Connection 2 75 on main harness

(B518) Connection 86s on main harness



## Interactive system

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

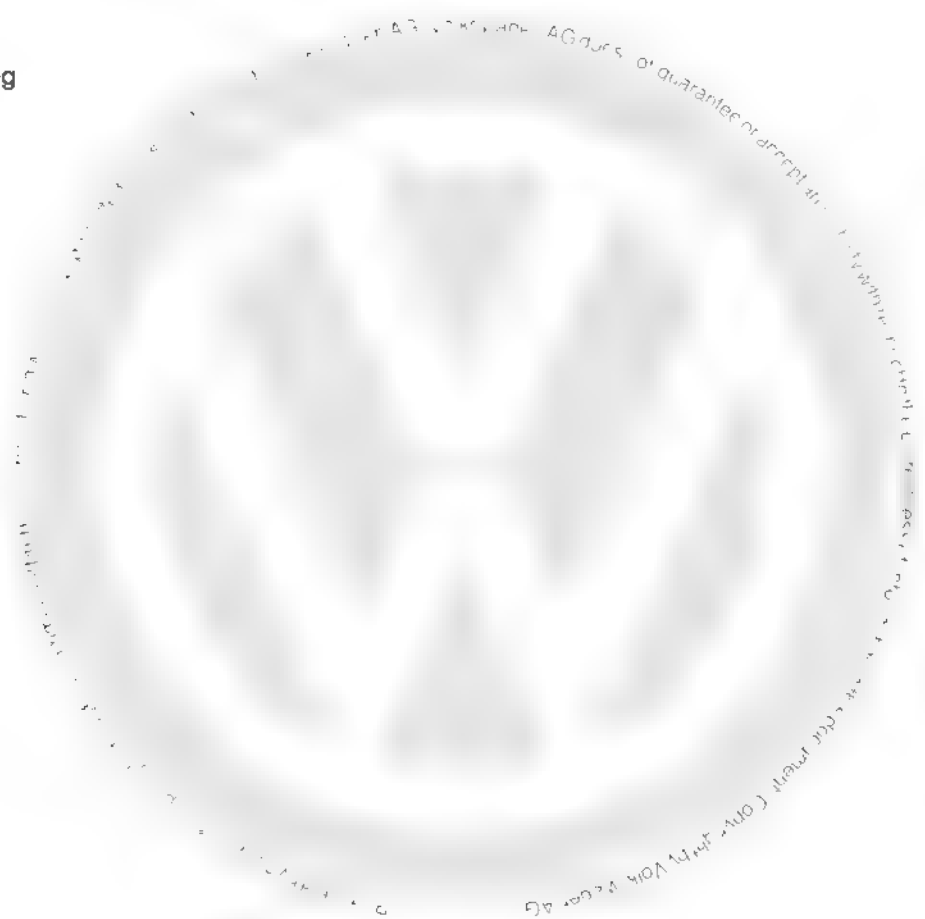
◆ Earth points

➤ See fitting locations

For information about

◆ Assisted fault pinpointing

➤ See Guided functions

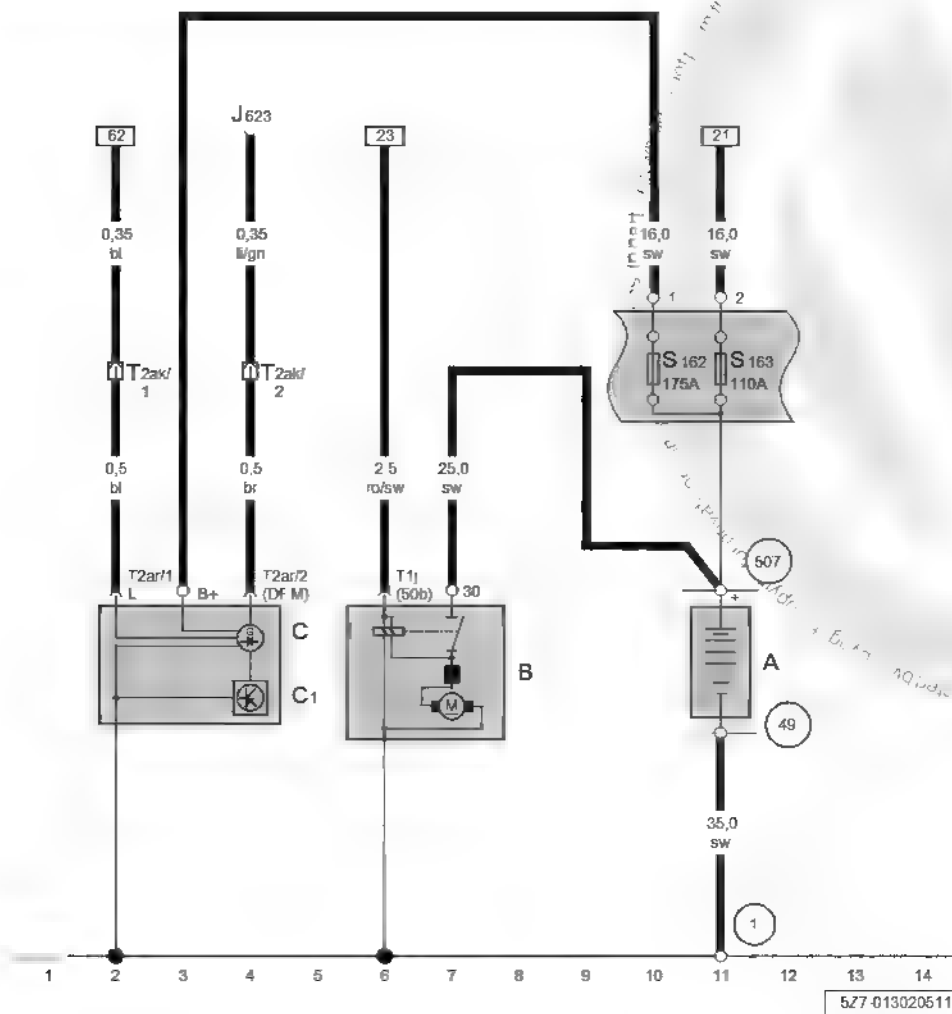


Battery Starter Generator Alternator Voltage regulator

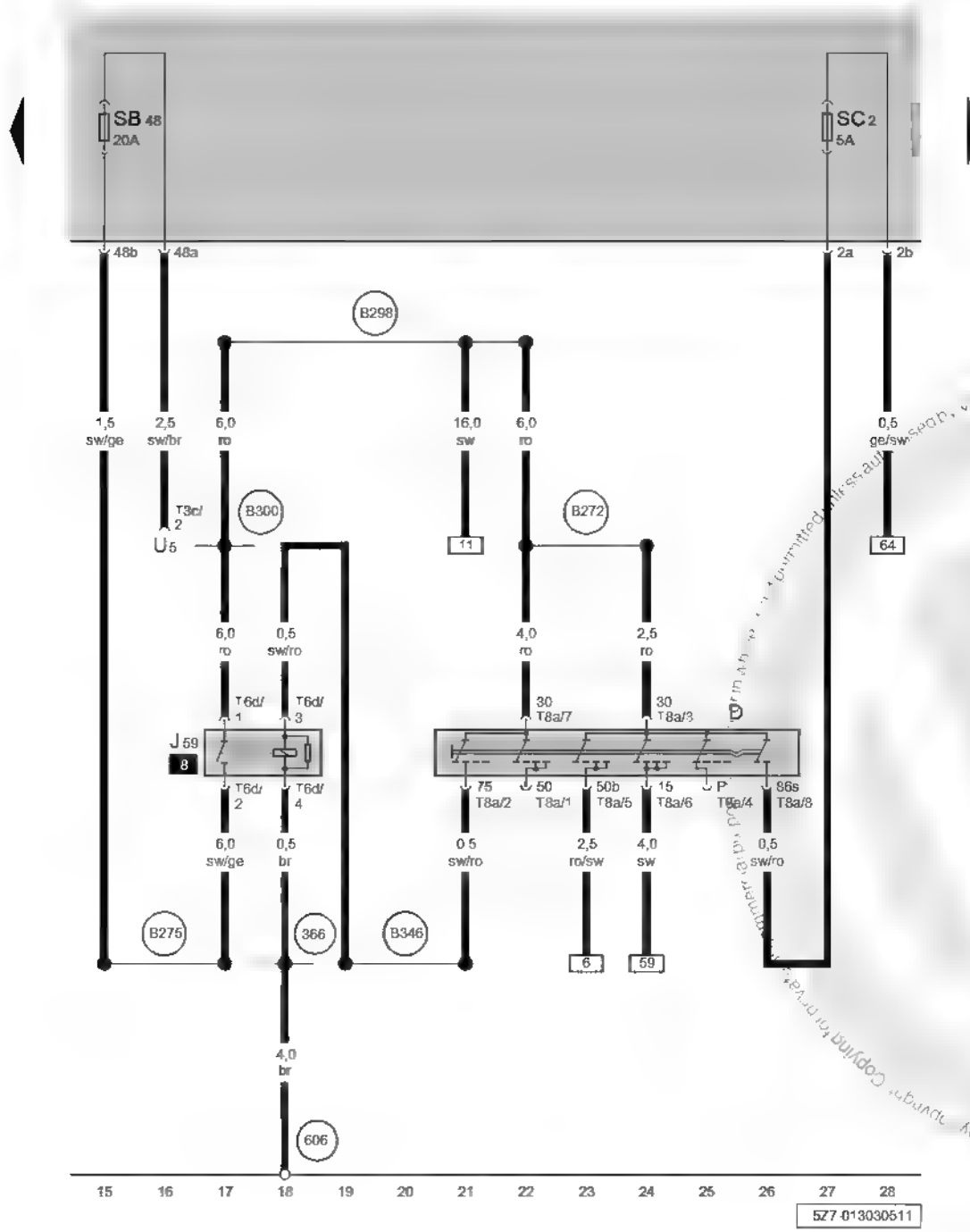
- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- 1 ) Earth strap battery body
- 49 ) Earth point near the battery
- 507 ) Screw connection 30 battery fuse holder

- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink



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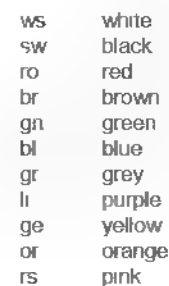


# Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SB48 Fuse 48 on fuse holder B
- SC2 Fuse 2 on fuse holder C
- T3c Fitting connector 6pin in Xcontact relief relay
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch
- U5 12volt socket

- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B272 Positive connection 30 on main harness
- B275 Positive connection 87 on main harness
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B346 Connection 1 75 on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

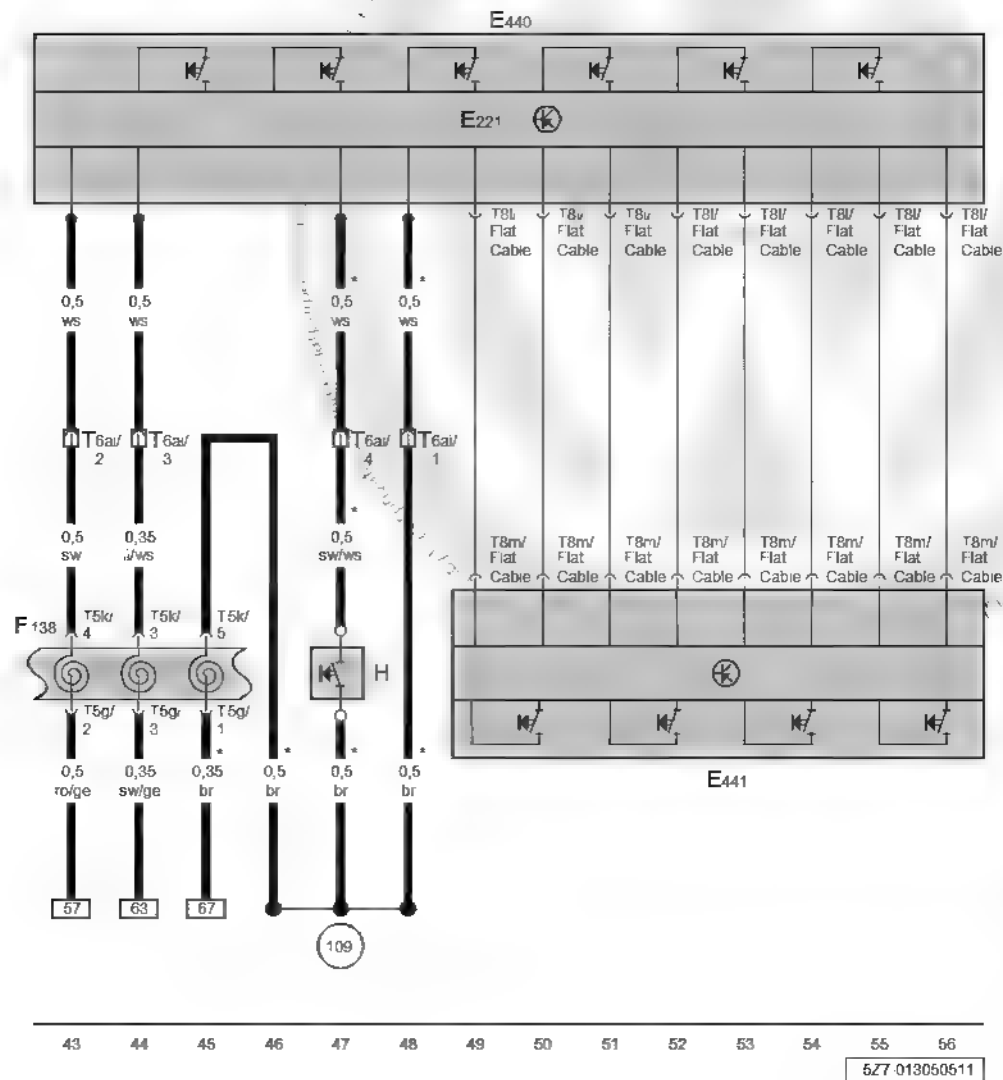


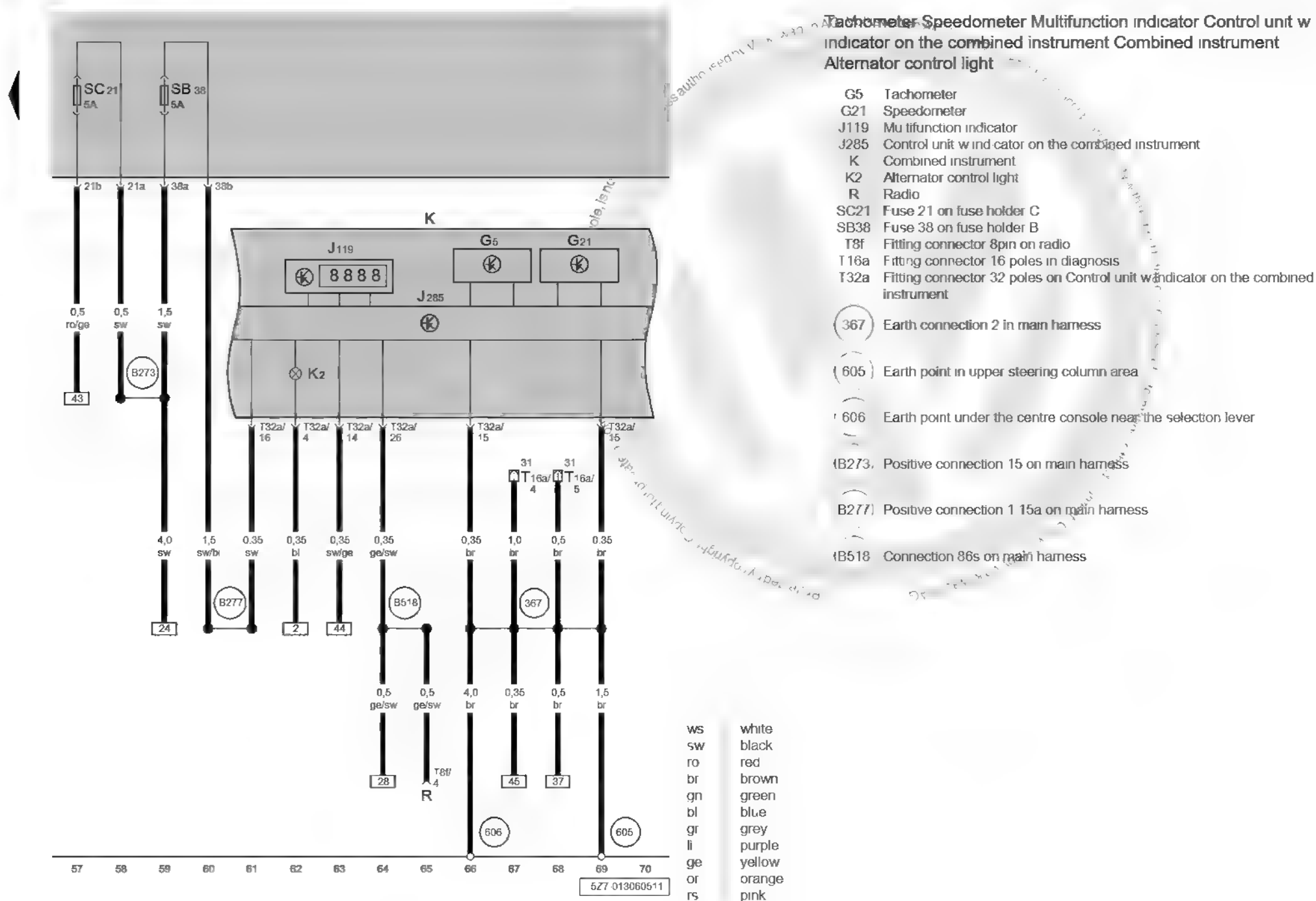
Only for vehicles with buttons on steering wheel for radio command  
From July 2010

Control unit on the steering wheel Multifunction controls on the left side of the steering wheel Multifunction controls on the right side of the steering wheel Airbag coil connector and return ring with slip ring Horn activator

- E221 Control unit on the steering wheel
- E440 Multifunction controls on the left side of the steering wheel
- E441 Multifunction controls on the right side of the steering wheel
- F138 Airbag coil connector and return ring with slip ring
- H Horn activator
- T5g Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T5k Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T6ai Fitting connector 6pin in steering wheel
- T8l Fitting connector 8pin on multifunction controls on the left side of the steering wheel
- T8m Fitting connector 8pin on multifunction controls on the right side of the steering wheel
- 109 Earth connection in the airbag wiring harness

Only for vehicles with buttons on steering wheel for radio command





## Multifunction steering wheel

From March 2010

### Notes

For information about

- ◆ Location of relay and fuse

- ◆ Connectors

- ◆ Control units

- ◆ Earth points

- See fitting locations

For information about

- ◆ Assisted fault pinpointing

- See Guided functions



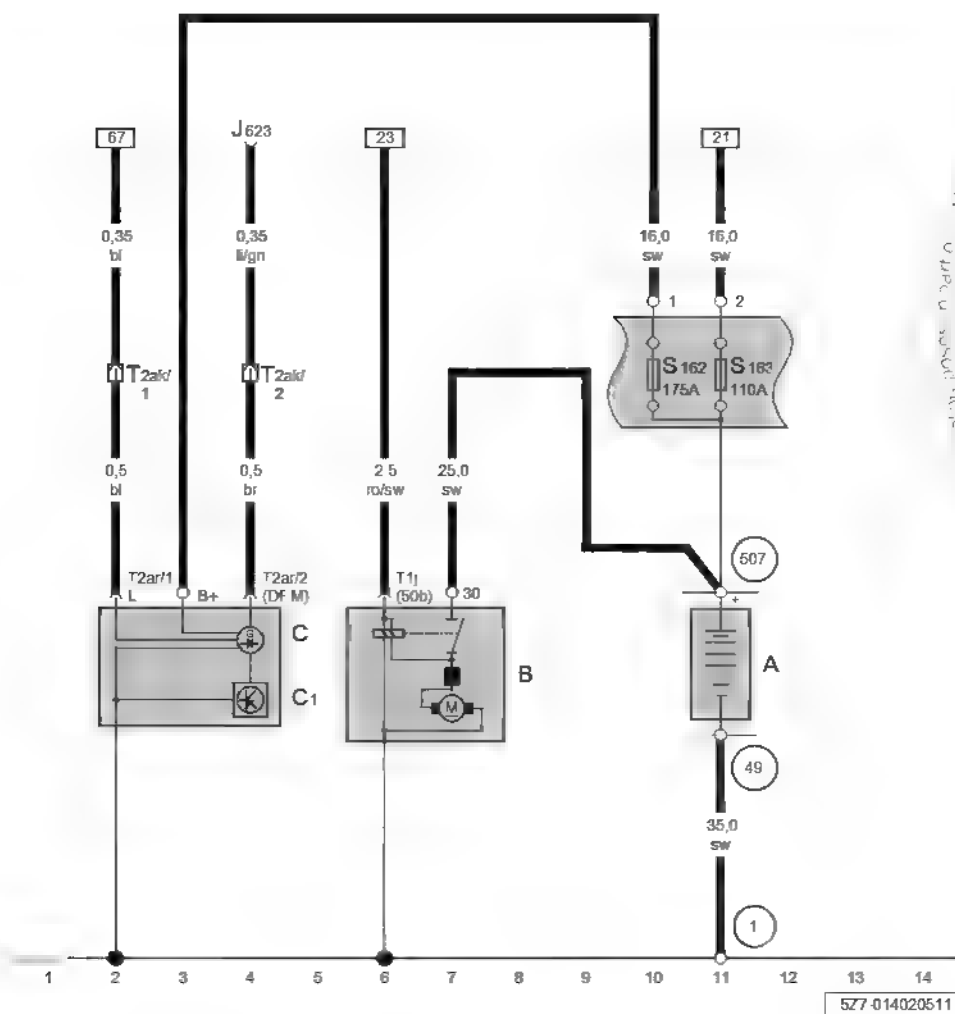
Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

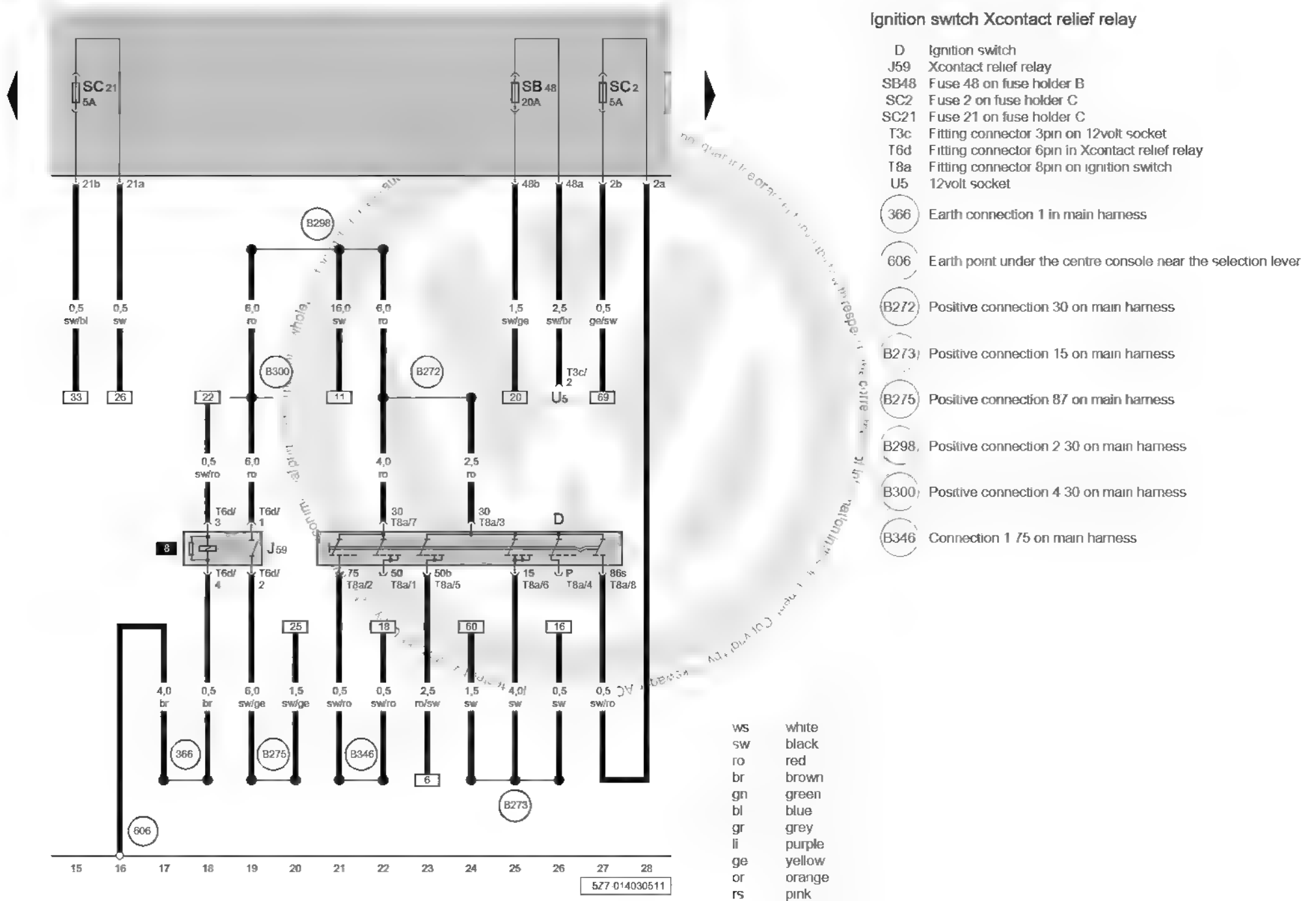
1 ) Earth strap battery body

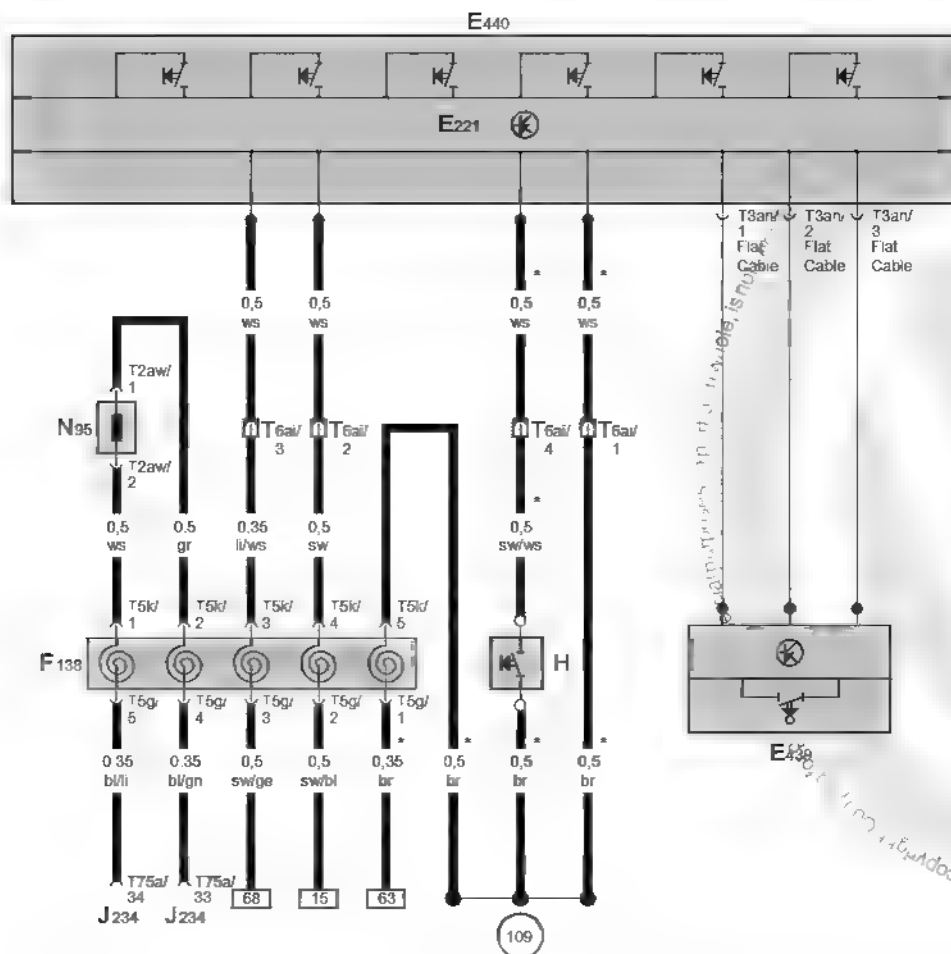
49 ) Earth point near the battery

507 ) Screw connection 30 battery fuse holder







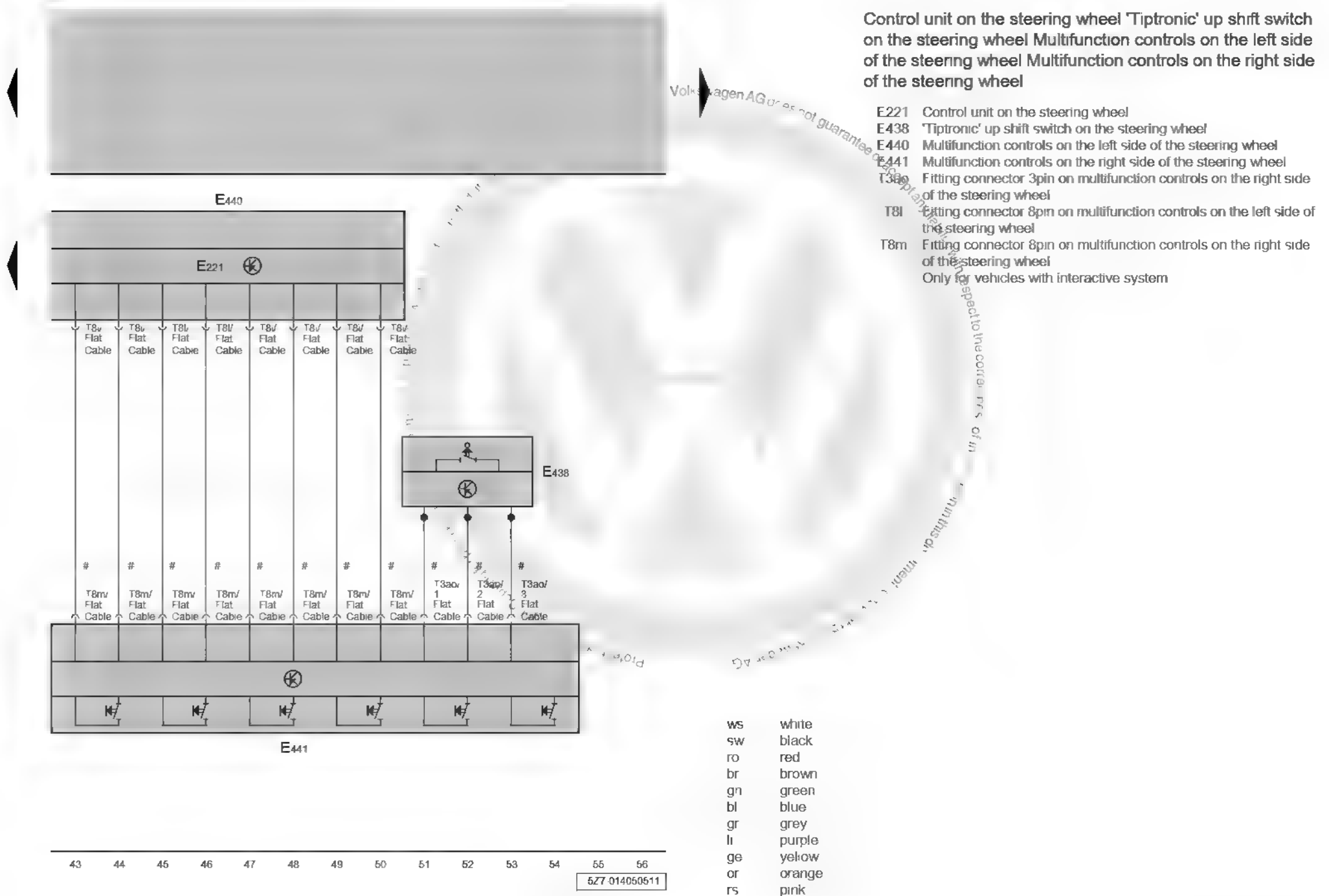


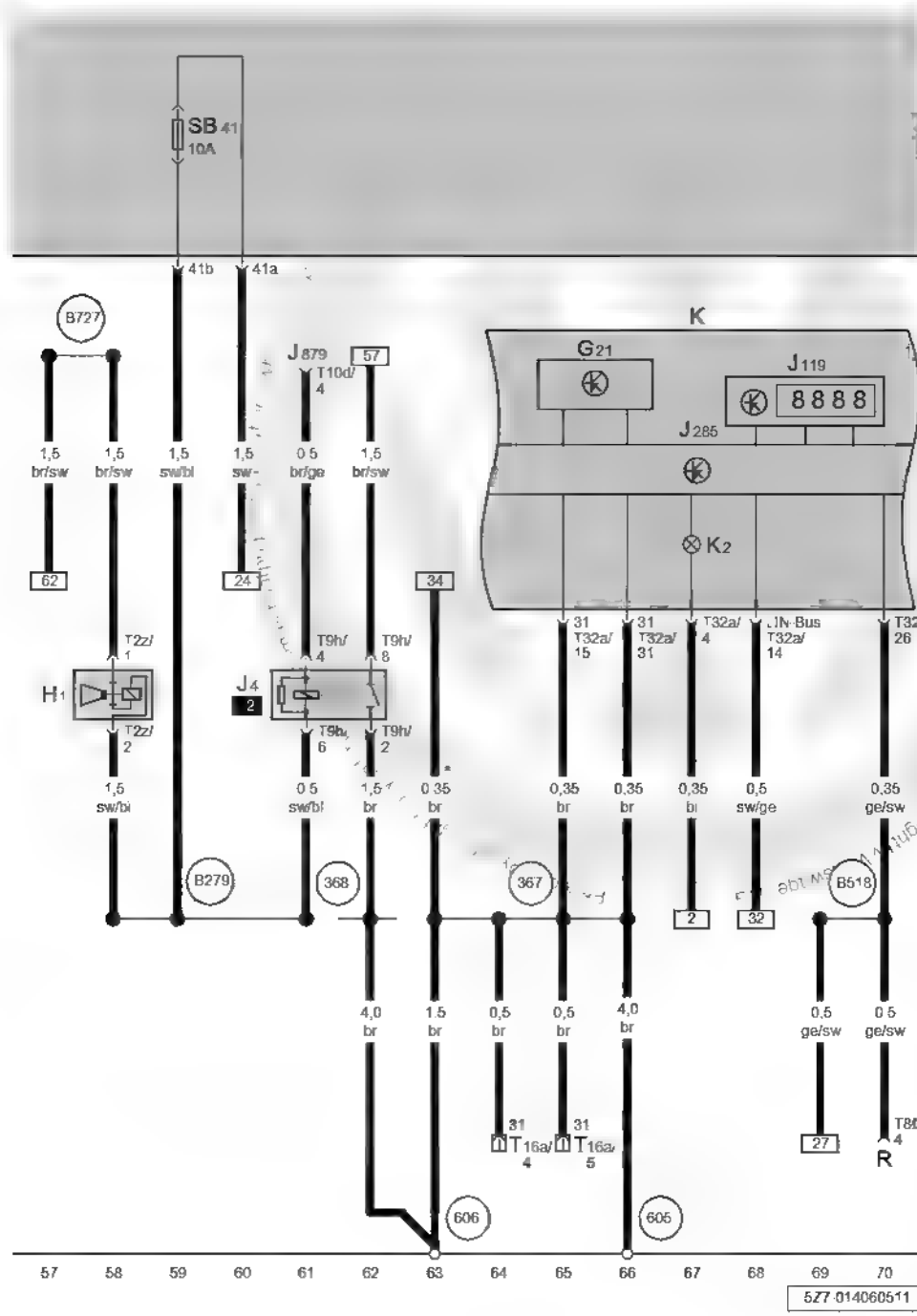
Control unit on the steering wheel 'Tiptronic' downshift switch on the steering wheel Multifunction controls on the left side of the steering wheel Airbag coil connector and return ring with slip ring Horn actuator Ignition device for the driver's airbag

- E221 Control unit on the steering wheel
- E439 'Tiptronic' downshift switch on the steering wheel
- E440 Multifunction controls on the left side of the steering wheel
- F138 Airbag coil connector and return ring with slip ring
- H Horn actuator
- J234 Airbag control unit
- N95 Ignition device for the driver's airbag
- T2awf Fitting connector 3pin on ignition device for the driver's airbag
- T3an Fitting connector 3pin on multifunction controls on the left side of the steering wheel
- T5g Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T5k Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T6ai Fitting connector 6pin in steering wheel
- T75a Fitting connector 75poles on airbag control unit
- 109 Earth connection in the airbag wiring harness

Only for vehicles with buttons on steering wheel for radio command

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink





Tachometer Horn and dual tone horn Dual tone horn relay  
Multifunction indicator Control unit w indicator on the combined  
instrument Combined instrument Alternator control light

- G21 Speedometer
- H1 Horn or dual tone horn
- J4 Dual tone horn relay
- J119 Multifunction indicator
- J285 Control unit w indicator on the combined instrument
- J879 Control unit for interactive system
- K Combined instrument
- K2 Alternator control light
- R Radio

- SB41 Fuse 41 on fuse holder B
- T22 Fitting connector 2pin in horn or dual tone horn
- T8f Fitting connector 8pin on radio
- T9h Fitting connector 9pin in dual tone horn relay
- T10d Fitting connector 10 poles on control unit for interactive system
- T16a Fitting connector 16 poles in diagnosis
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

- 367 Earth connection 2 in main harness
  - 368 Earth connection 3 in main harness
  - 605 Earth point in upper steering column area
  - 606 Earth point under the centre console near the selection lever
  - B279 Positive connection 3 15a on main harness
  - B518 Connection 86s on main harness
  - B727 Connection 71a on main harness
- Only for vehicles with buttons on steering wheel for radio command

- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- ll purple
- ge yellow
- or orange
- rs pink

## Parking aid sensor PDC

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

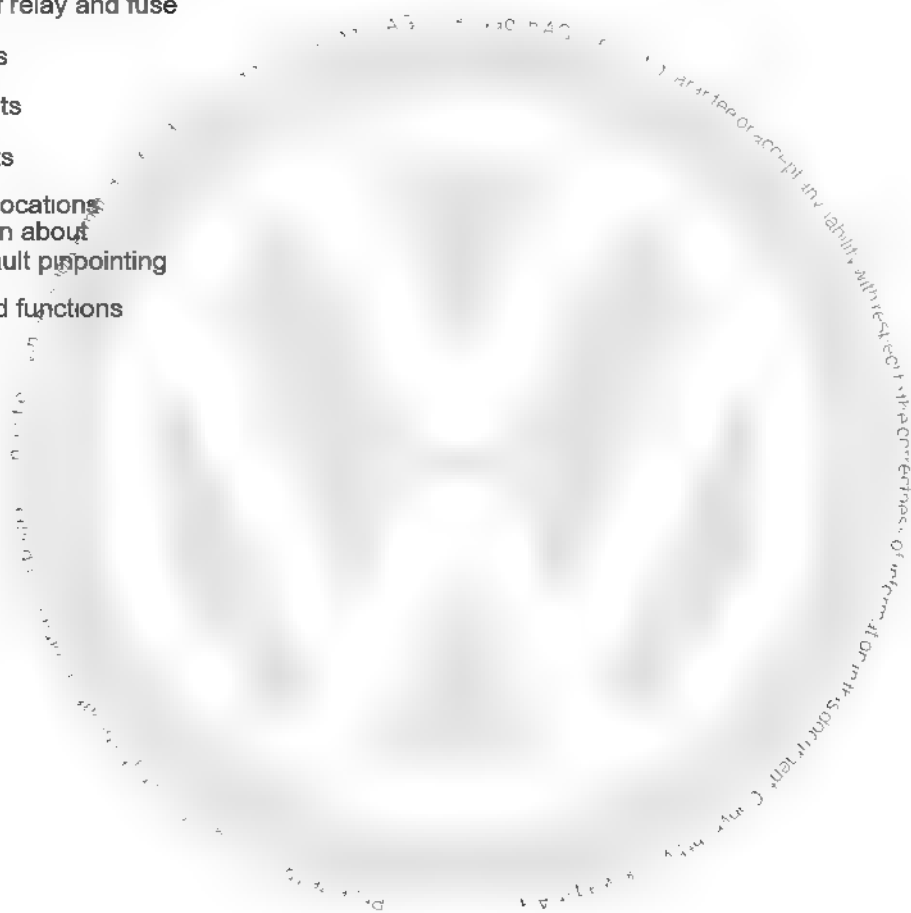
◆ Earth points

→ See fitting locations

For information about

◆ Assisted fault pinpointing

→ See Guided functions

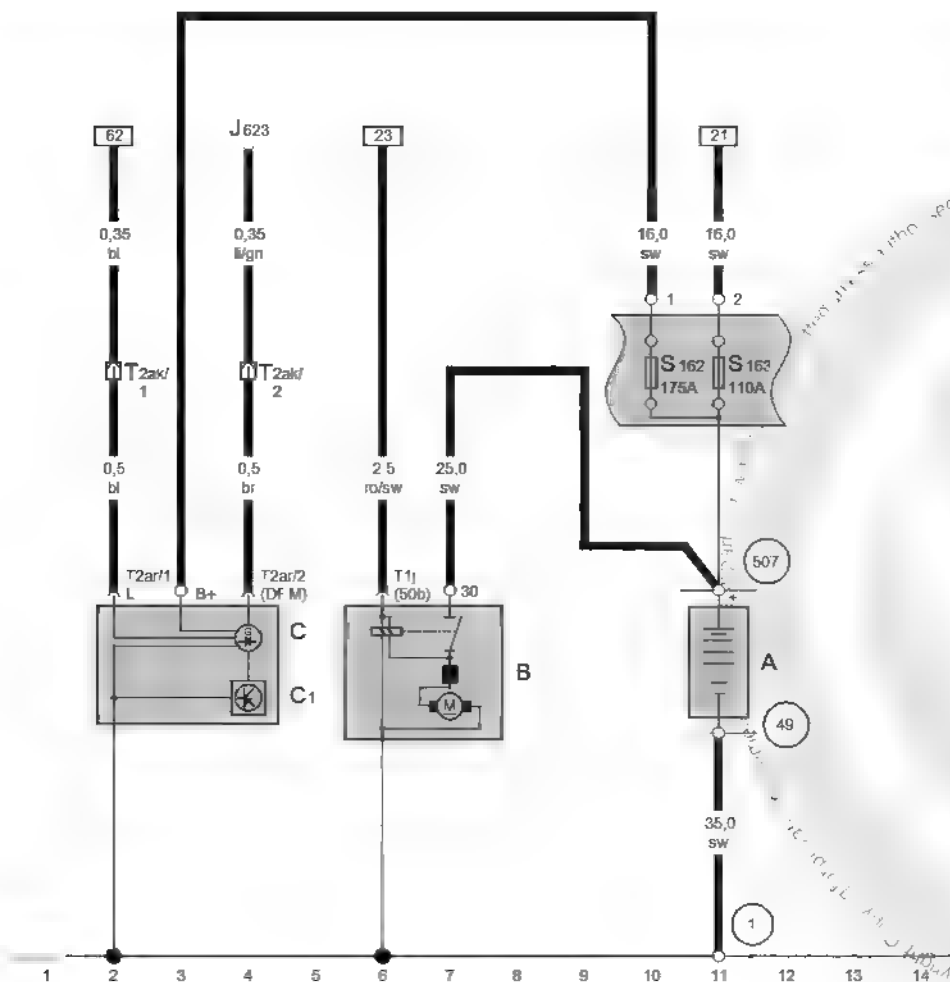


Battery Starter Generator Alternator Voltage regulator

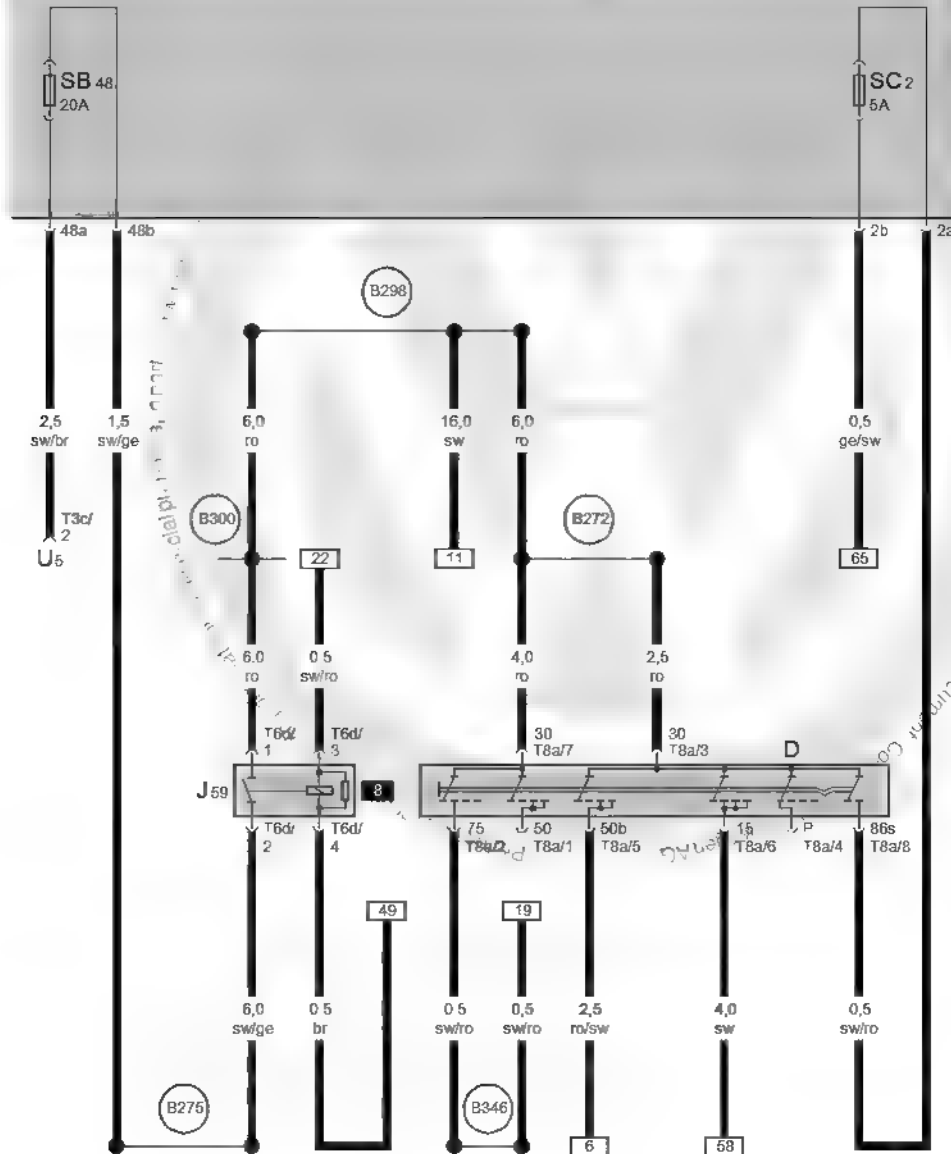
- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- ( 1 ) Earth strap battery body
- ( 49 ) Earth point near the battery
- ( 507 ) Screw connection 30 battery fuse holder

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
ll purple  
ge yellow  
or orange  
pk pink



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# Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SB48 Fuse 48 on fuse holder B
- SC2 Fuse 2 on fuse holder C
- T3c Fitting connector 3pin on 12volt socket
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch
- U5 12volt socket

B272 Positive connection 30 on main harness

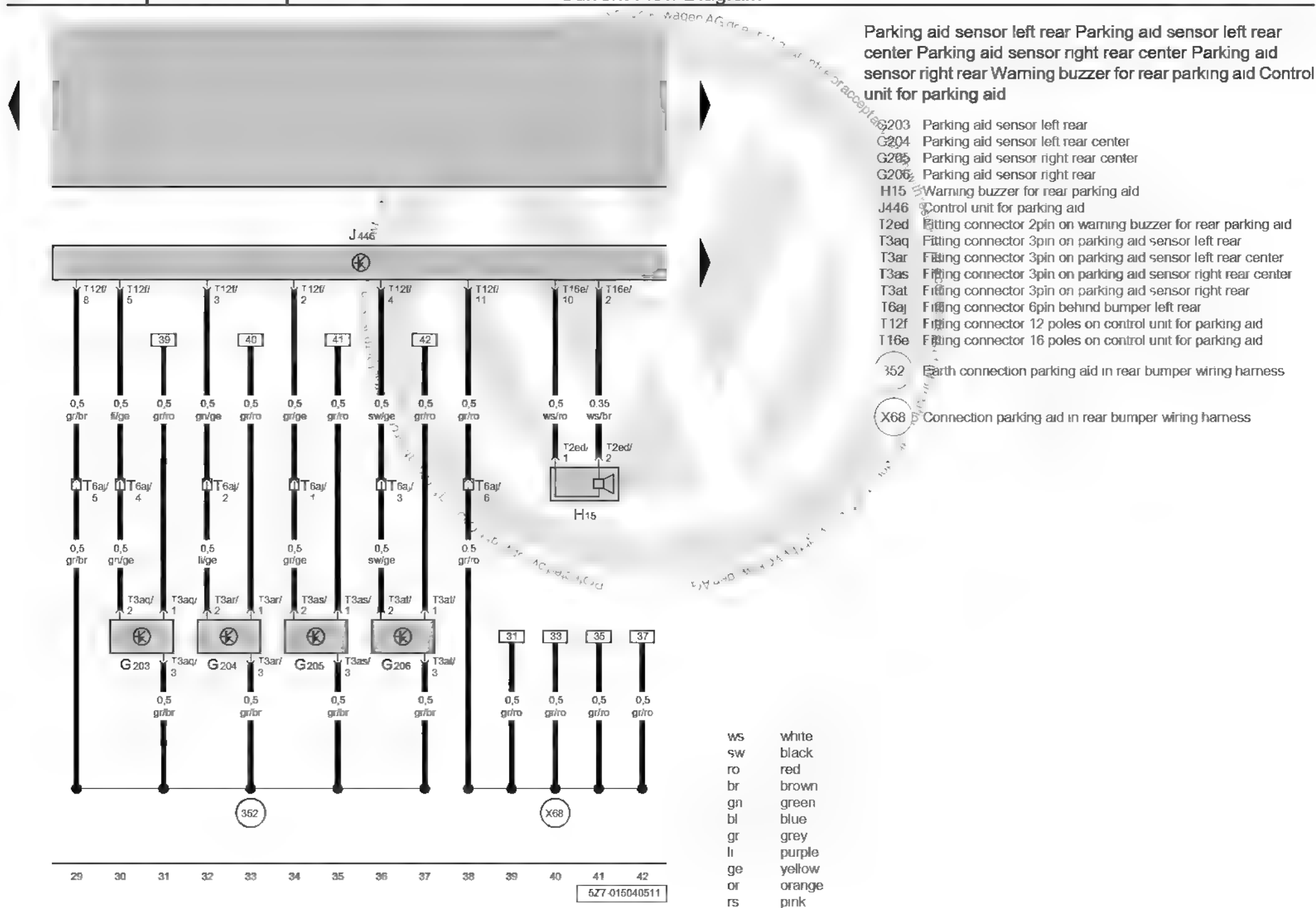
B275 Positive connection 87 on main harness

B298 Positive connection 2 30 on main harness

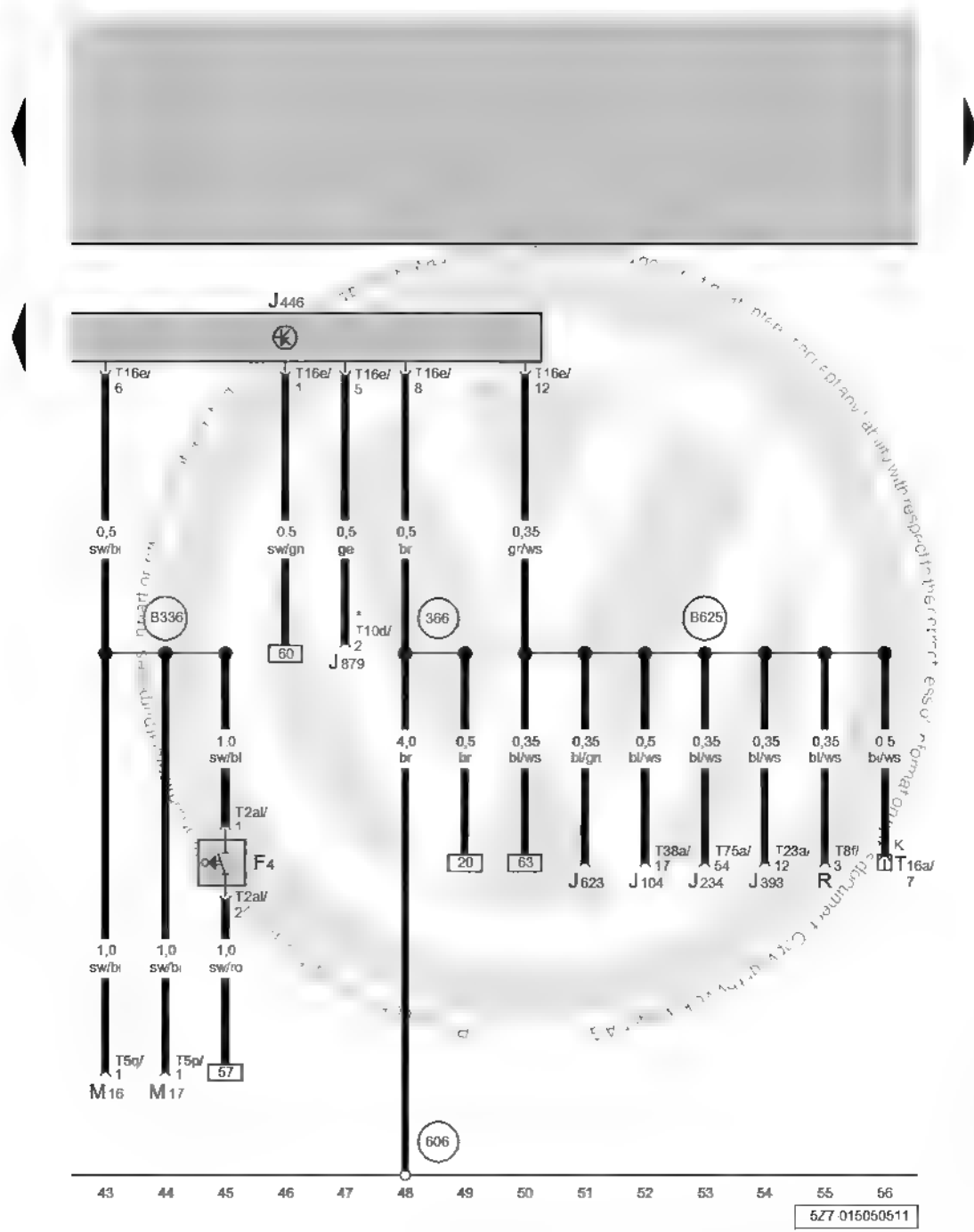
B300 Positive connection 4 30 on main harness

B346 Connection 1 75 on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink





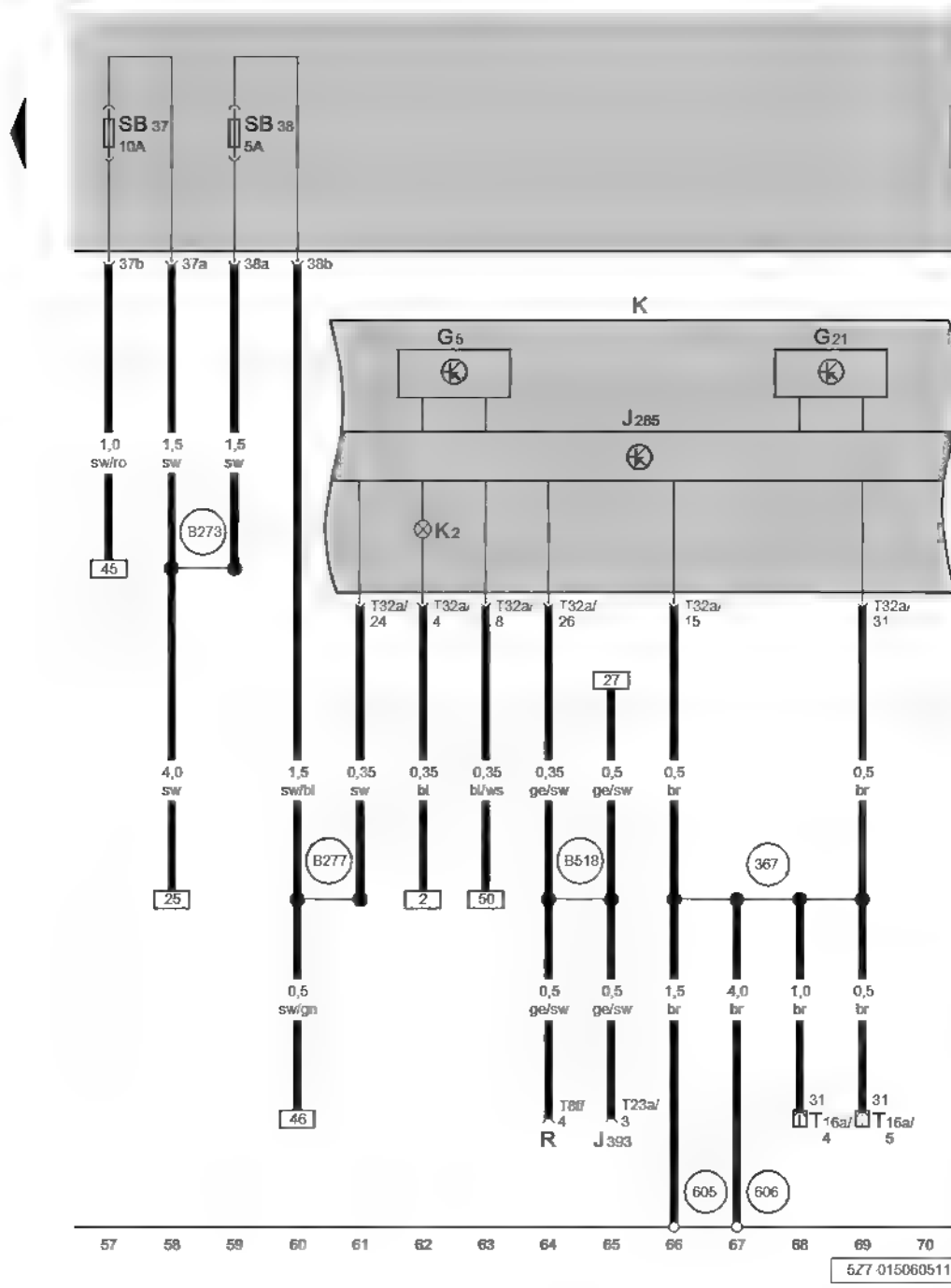


# Reversing light switch Control unit for parking aid

- F4 Reversing light switch
- J104 ABS control unit
- J234 Airbag control unit
- J393 Central control unit for the convenience system
- J446 Control unit for parking aid
- J623 Engine control unit
- J879 Control unit for interactive system
- M16 Left reversing light lamp
- R Radio
- T2a/ Fitting connector 2pin on reversing light switch
- T5p Fitting connector 5pin for Right tail light
- T5q Fitting connector 5pin for left tail light
- T8f Fitting connector 8pin on radio
- T10d Fitting connector 10 poles on control unit for interactive system
- T16a Fitting connector 16 poles in diagnosis
- T16e Fitting connector 16 poles on control unit for parking aid
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T38a Fitting connector 38 poles on ABS control unit
- T75a Fitting connector 75 poles on airbag control unit

- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B336 Connection 2 54 on main harness
- B625 Connection diagnostic cable K on main harness

From July 2010



Tachometer Speedometer Control unit w indicator on the combined instrument Combined instrument Alternator control light

- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- J393 Central control unit for the convenience system
- K Combined instrument
- K2 Alternator control light
- R Radio
- SB37 Fuse 37 on fuse holder B
- SB38 Fuse 38 on fuse holder B
- T8f Fitting connector 8pin on radio
- T16a Fitting connector 16 poles in diagnosis
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

- 367 Earth connection 2 in main harness
- 605 Earth point in upper steering column area
- 606 Earth point under the centre console near the selection lever
- B273 Positive connection 15 on main harness
- B277 Positive connection 1 15a on main harness
- B518 Connection 86s on main harness

## Right rearview mirror with reverse memory

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

→ See fitting locations

For information about

◆ Assisted fault pinpointing

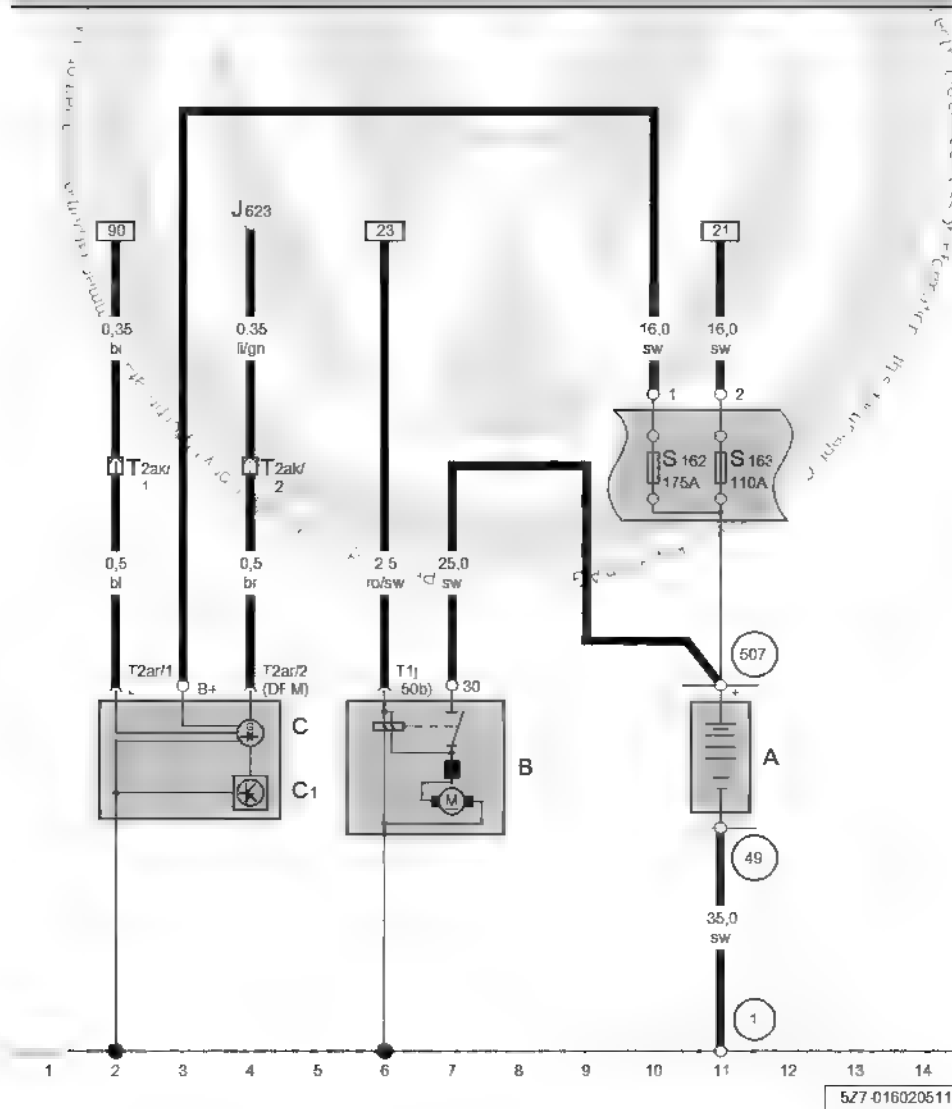
→ See Guided functions

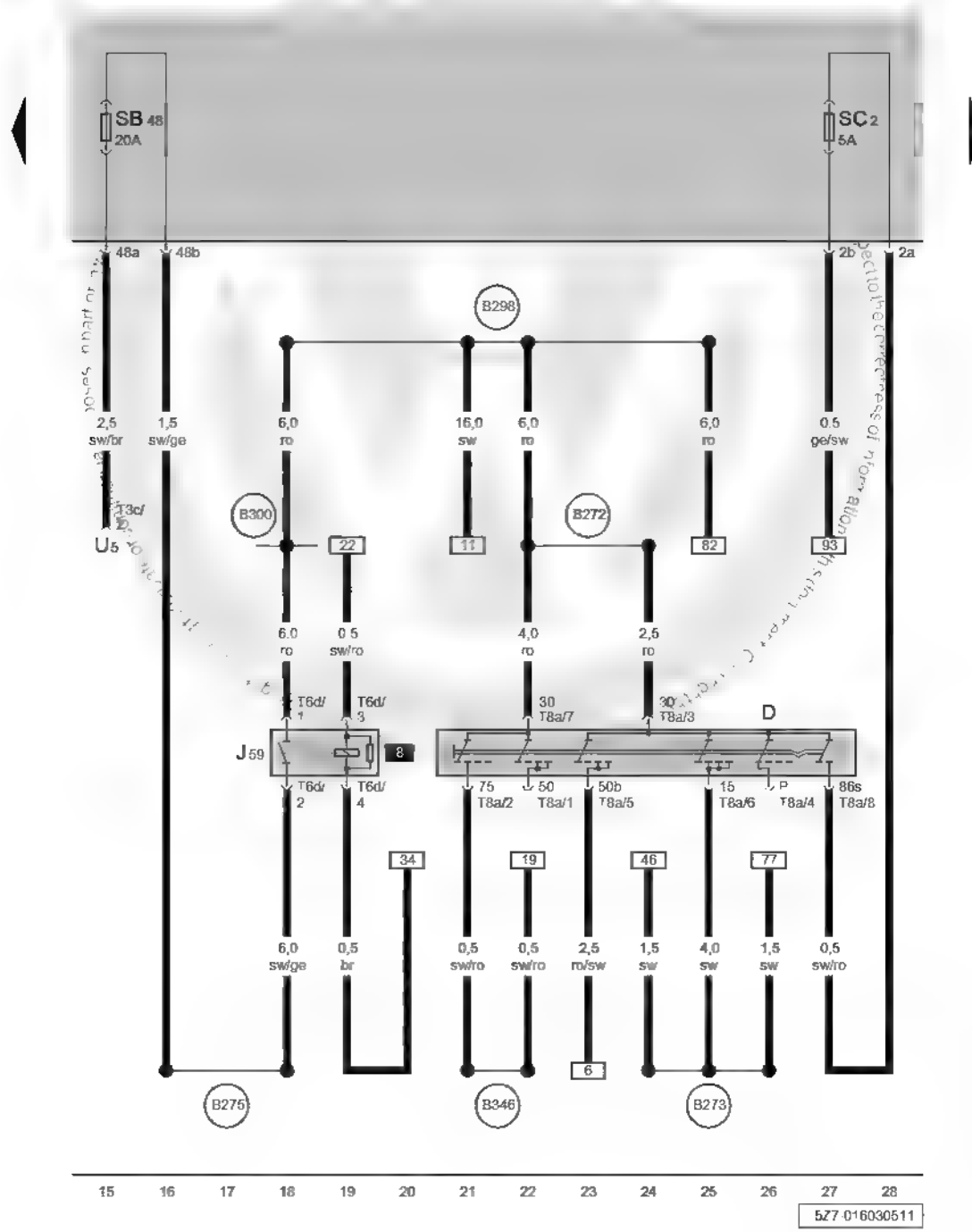
Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- (1) Earth strap battery body
- (49) Earth point near the battery
- (507) Screw connection 30 battery fuse holder

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink





# Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SB48 Fuse 48 on fuse holder B
- SC2 Fuse 2 on fuse holder C
- T3c Fitting connector 3pin on 12volt socket
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch
- U5 12volt socket

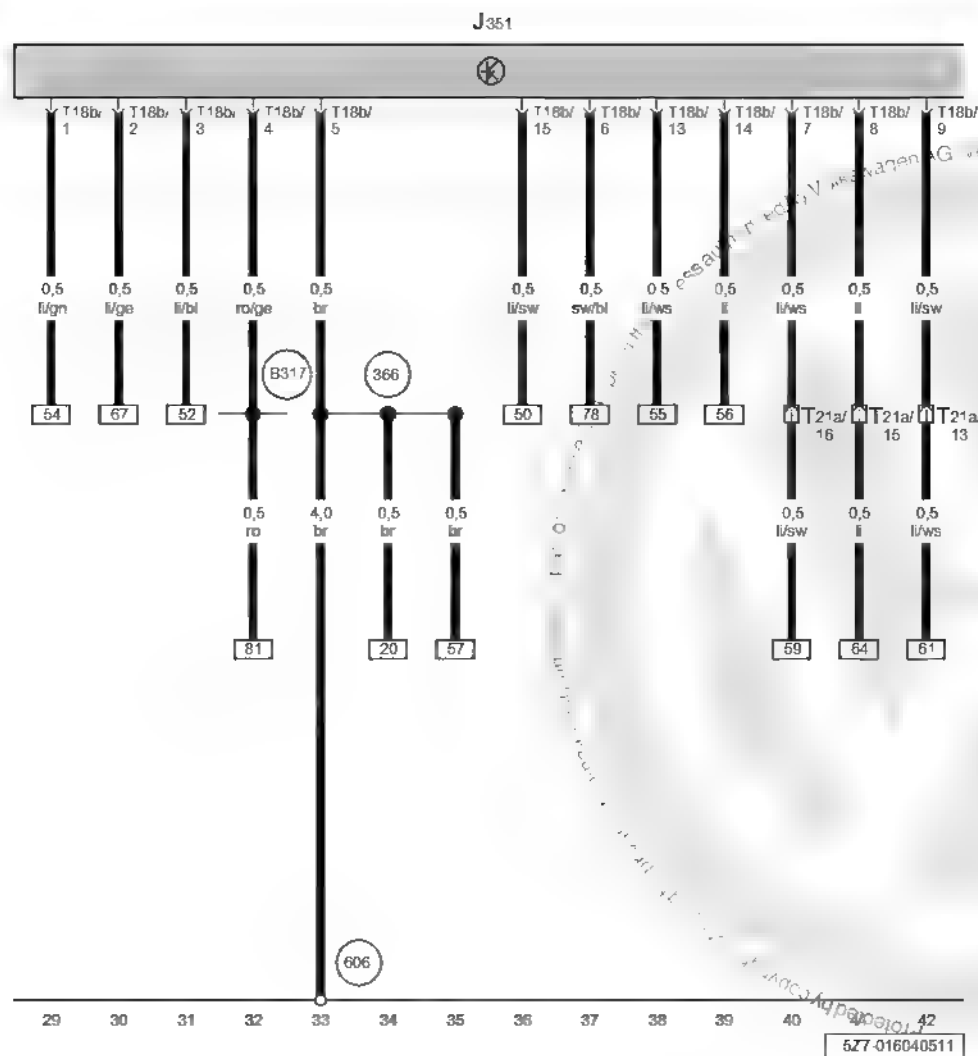
- B272 Positive connection 30 on main harness
- B273 Positive connection 15 on main harness
- B275 Positive connection 87 on main harness
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B346 Connection 1 75 on main harness

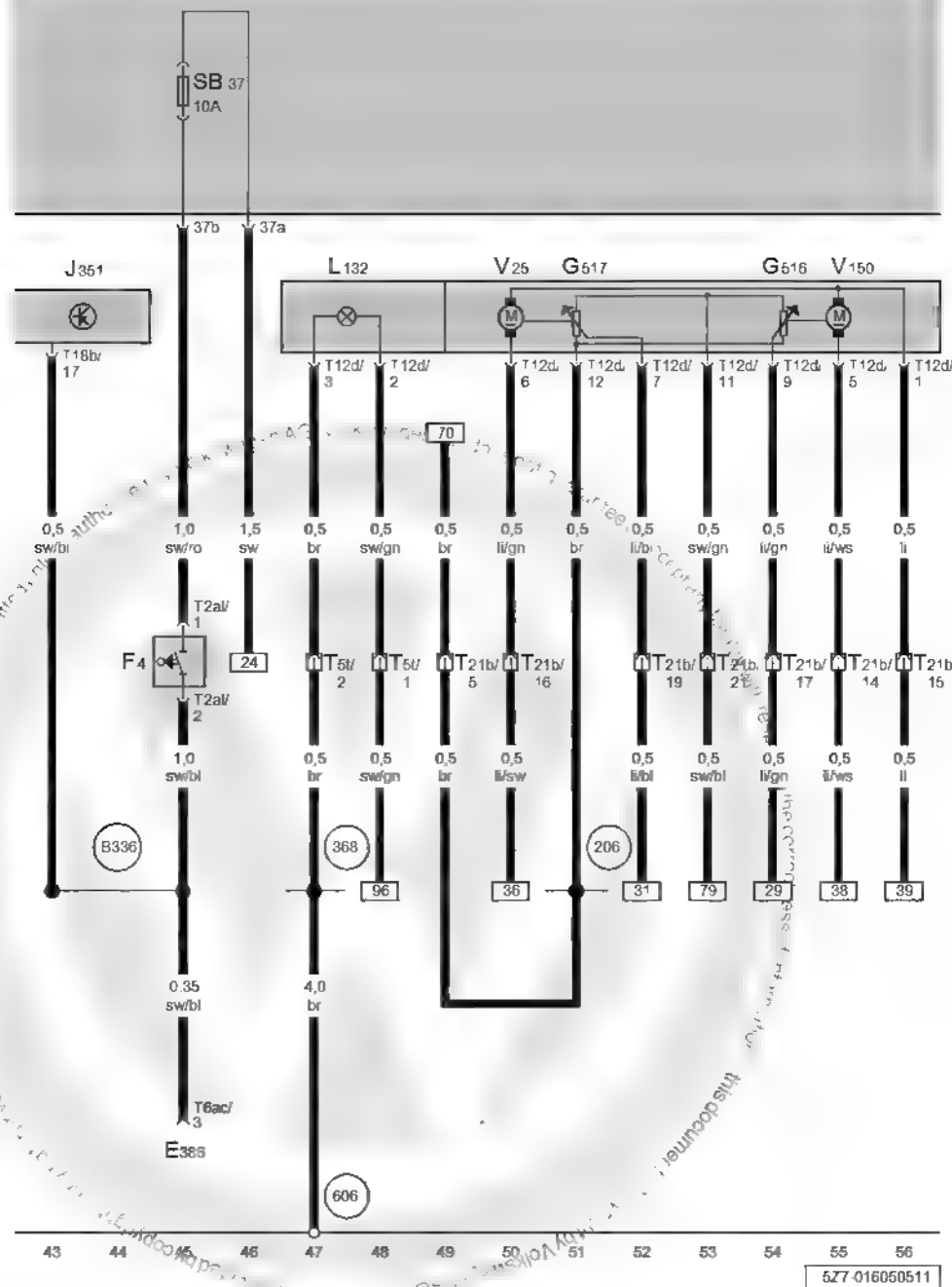
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

# Folding exterior mirror control unit

- J351 Folding exterior mirror control unit
- T18b Fitting connector 18 poles on Folding exterior mirror control unit
- T21a Fitting connector 21 poles for front left door

- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B317 Positive connection 3 30a on main harness

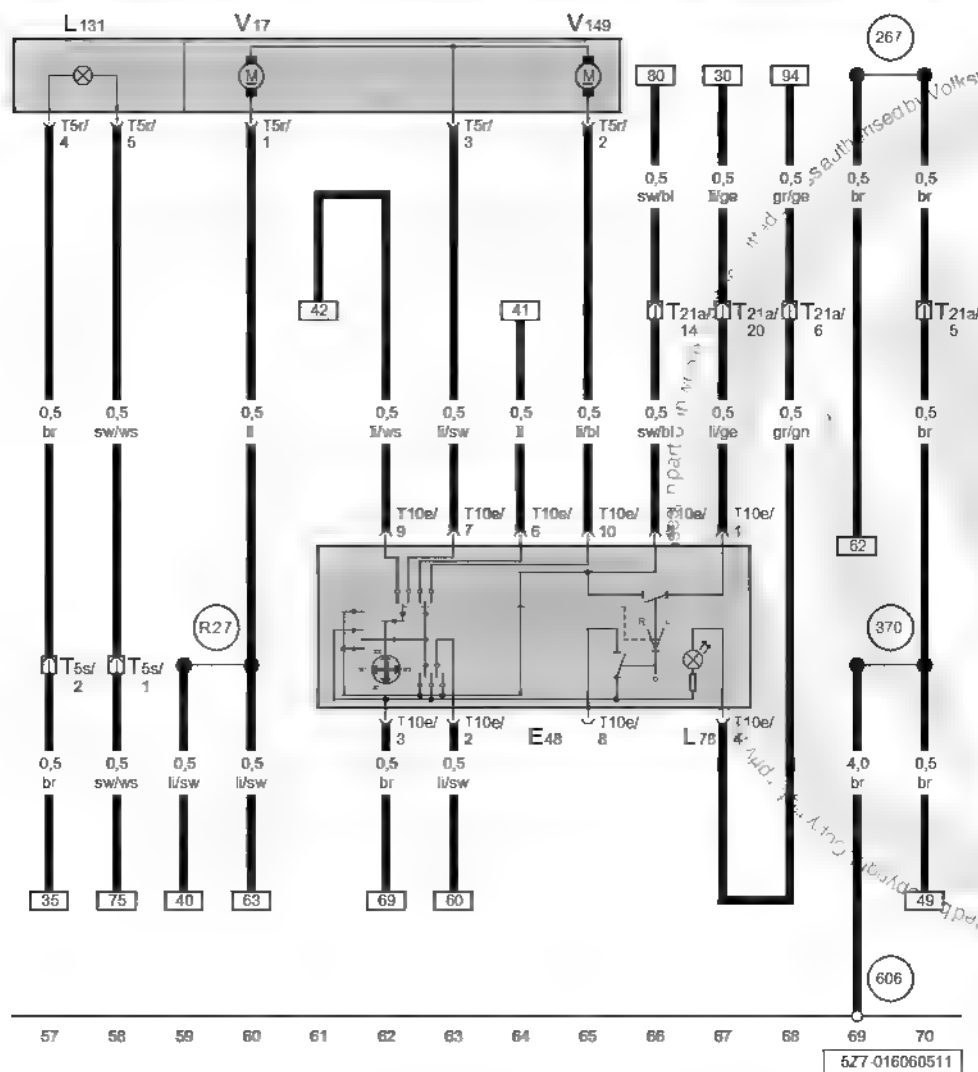




Reversing light switch Potentiometer for horizontal adjustment of front passenger side mirror Potentiometer for vertical adjustment of front passenger side mirror Folding exterior mirror control unit

- E386 Antidazzle interior mirror button
- F4 Reversing light switch
- G516 Potentiometer for horizontal adjustment of front passenger side mirror
- G517 Potentiometer for vertical adjustment of front passenger side mirror
- J351 Folding exterior mirror control unit
- L132 Front passenger side mirror turn signal repeater bulb
- SB37 Fuse 37 on fuse holder B
- T2al Fitting connector 2pin on reversing light switch
- T5t Fitting connector 5pin for front right door
- T6ac Fitting connector 6pin in Antidazzle interior mirror button
- T12d Fitting connector 12 poles in front passenger side mirror adjustment motor
- T18b Fitting connector 18 poles on Folding exterior mirror control unit
- T21b Fitting connector 21 poles for front right door
- V25 Front passenger side mirror adjustment motor
- V150 Front passenger side mirror adjustment motor
- 206 Earth connection in driver door wiring harness
- 368 Earth connection 3 in main harness
- 606 Earth point under the centre console near the selection lever
- B336, Connection 2 54 on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



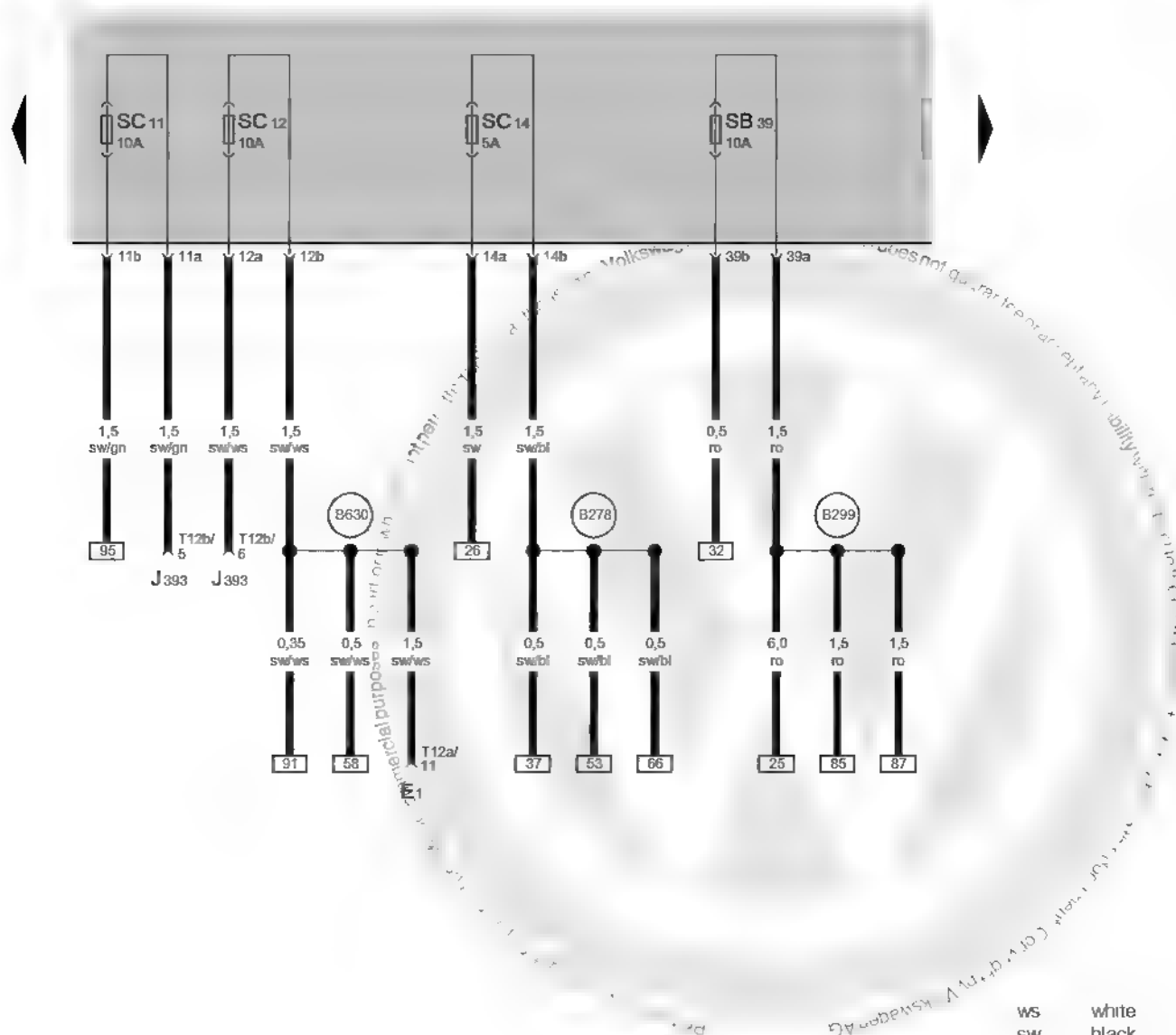
Mirror adjustment changeover switch Driver side external mirror turn signal repeater bulb Driver side mirror adjustment motor Mirror adjustment switch illumination bulb

- E48 Mirror adjustment changeover switch
- L78 Mirror adjustment switch illumination bulb
- L131 Driver side turn signal repeater bulb
- T5r Fitting connector 5pin in Driver side mirror adjustment motor
- T5s Fitting connector 5pin on front left door for mirror adjustment changeover
- T10e Fitting connector 10 poles on rearview mirror adjustment switch
- T21a Fitting connector 21 poles for front left door
- V17 Driver side mirror adjustment motor
- V149 Driver side mirror adjustment motor

- 267 Earth connection 2 in driver door wiring harness
- 370 Earth connection 5 in main harness
- 606 Earth point under the centre console near the selection lever
- R27 Connection rearview mirror adjustment in driver door wiring harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink





# Fuses

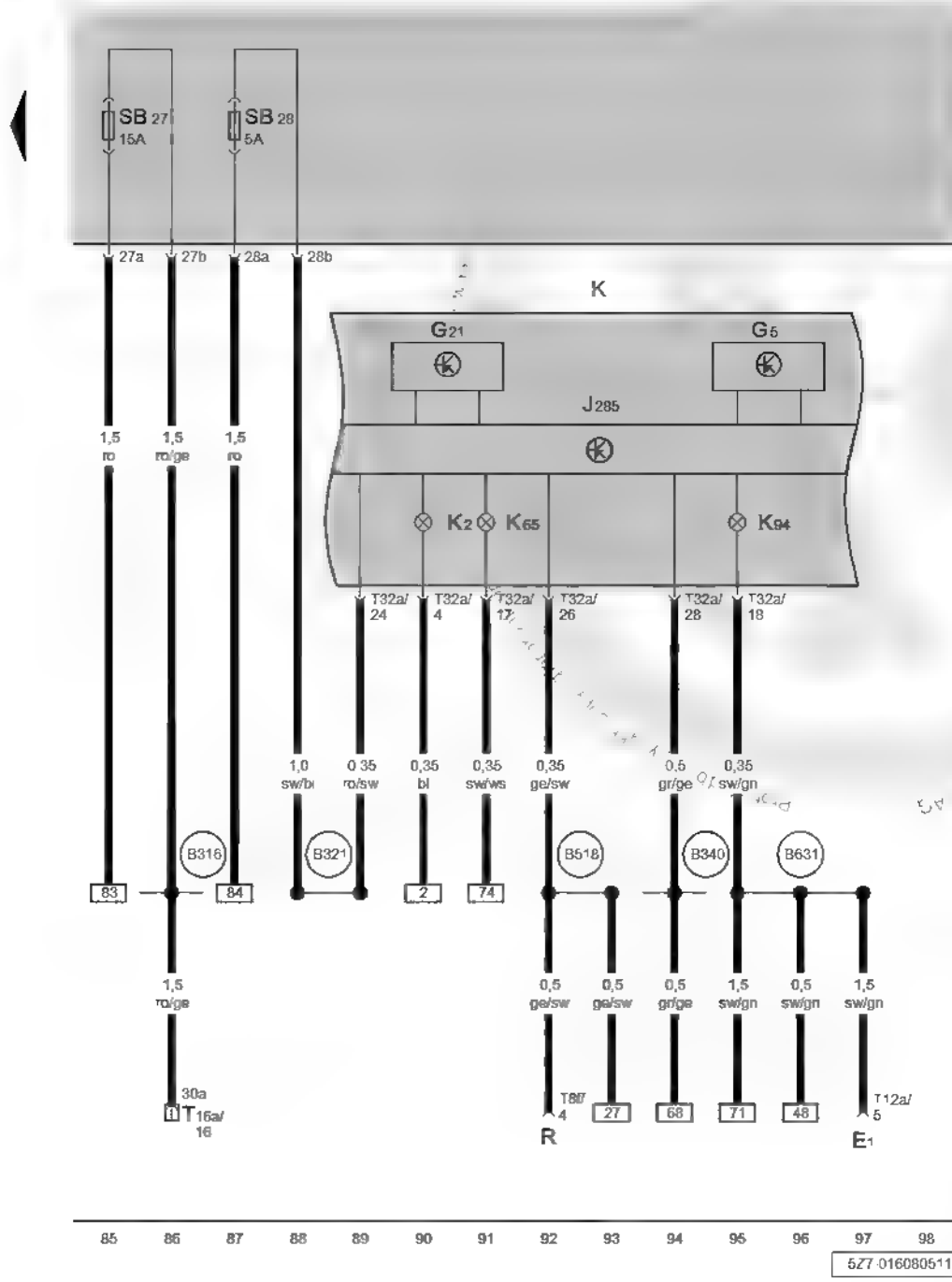
- E1 Light switch
- J393 Central control unit for the convenience system
- SB39 Fuse 39 on fuse holder B
- SC11 Fuse 11 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- T12a Fitting connector 12 poles in light switch
- T12b Fitting connector 12 poles on central control unit for the convenience system

- B278 Positive connection 2 15a on main harness
- B299 Positive connection 3 30 on main harness
- B630 Connection turn signal left on main harness

71 72 73 74 75 76 77 78 79 80 81 82 83 84

527-016070511

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Tachometer Speedometer Control unit w indicator on the combined instrument Combined instrument Alternator control light Left turn signal control light Right turn signal control light

- E1 Light switch
- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- K2 Alternator control light
- K65 Left turn signal control light
- K94 Right turn signal control light
- R Radio
- T8f Fitting connector 8pin on radio
- T12a Fitting connector 12 poles in light switch
- T16a Fitting connector 16 poles in diagnosis
- T32a Fitting connector 32 poles on Control unit w indicator on the instrument
- B316 Positive connection 2 30a on main harness
- B321 Positive connection 7 30a on main harness
- B340 Connection 1 58d on main harness
- B518 Connection 86s on main harness
- B631 Connection turn signal right on main harness

## Basic equipment

From May 2011

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

→ See fitting locations

For information about

◆ Assisted fault pinpointing

→ See Guided functions



Battery Starter Generator Alternator Voltage regulator

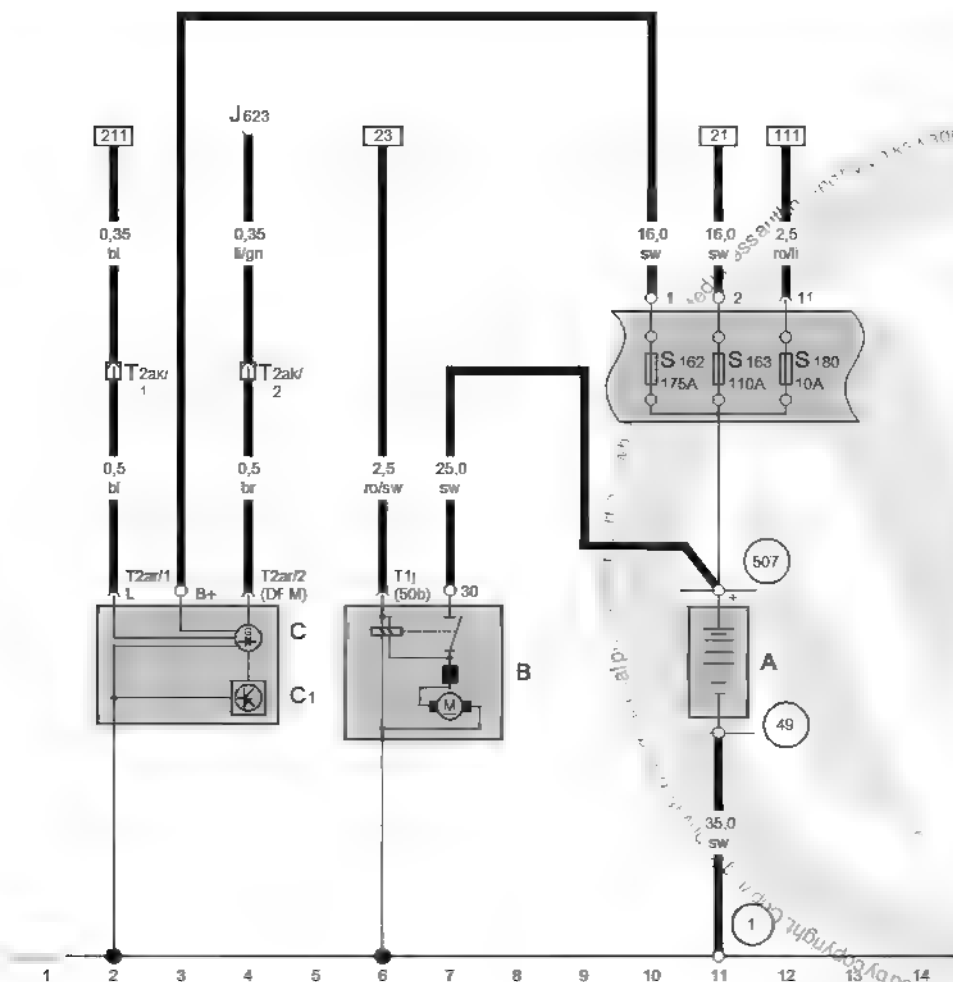
- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- S180 Fuse 8 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

1 ) Earth strap battery body

49 ) Earth point near the battery

507 ) Screw connection 30 battery fuse holder

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



527-017020511

Ignition switch Xcontact relief relay

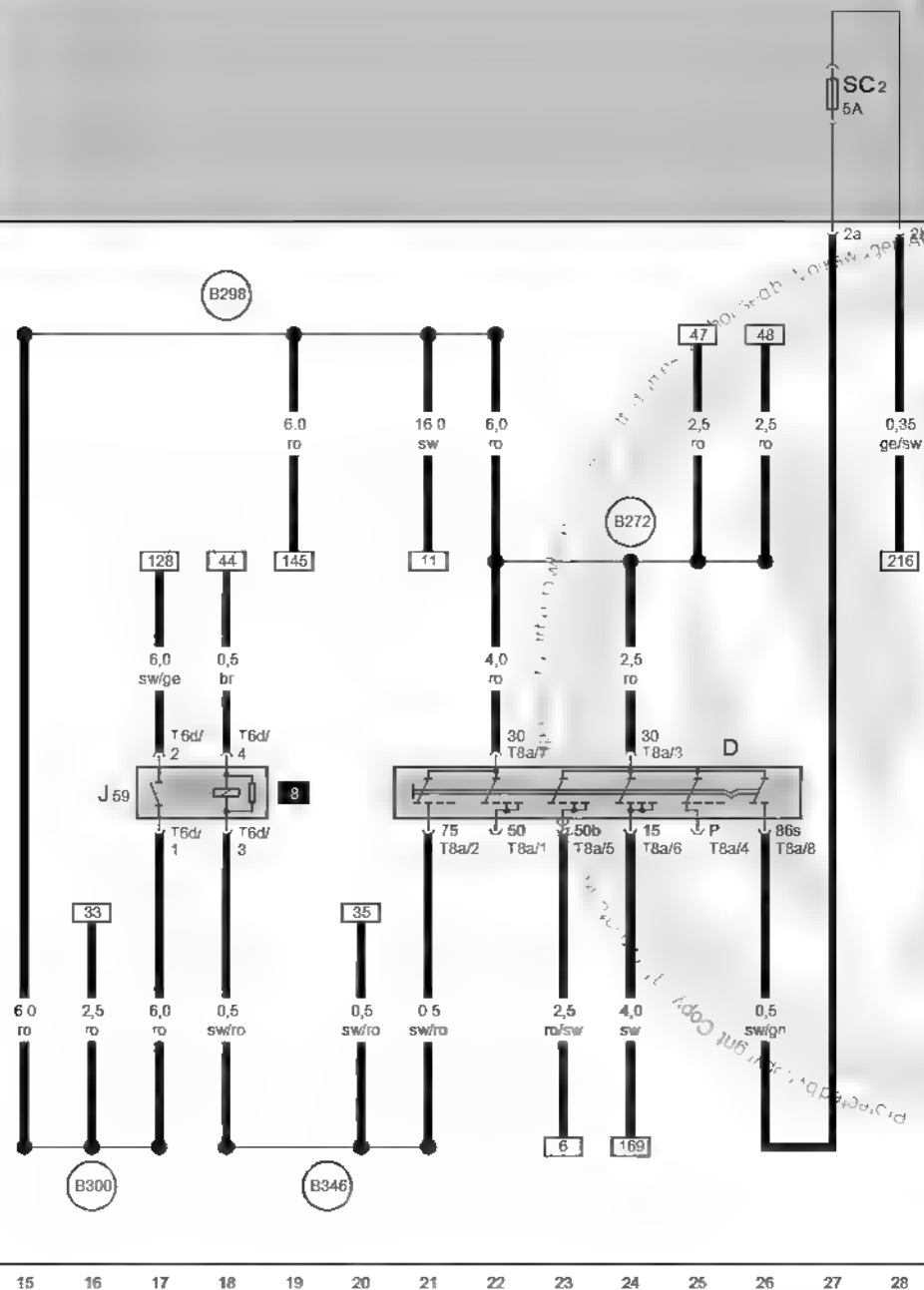
- D Ignition switch
- J59 Xcontact relief relay
- SC2 Fuse 2 on fuse holder C
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch

B272 Positive connection 30 on main harness

B298 Positive connection 2 30 on main harness

B300 Positive connection 4 30 on main harness

B346 Connection 1 75 on main harness



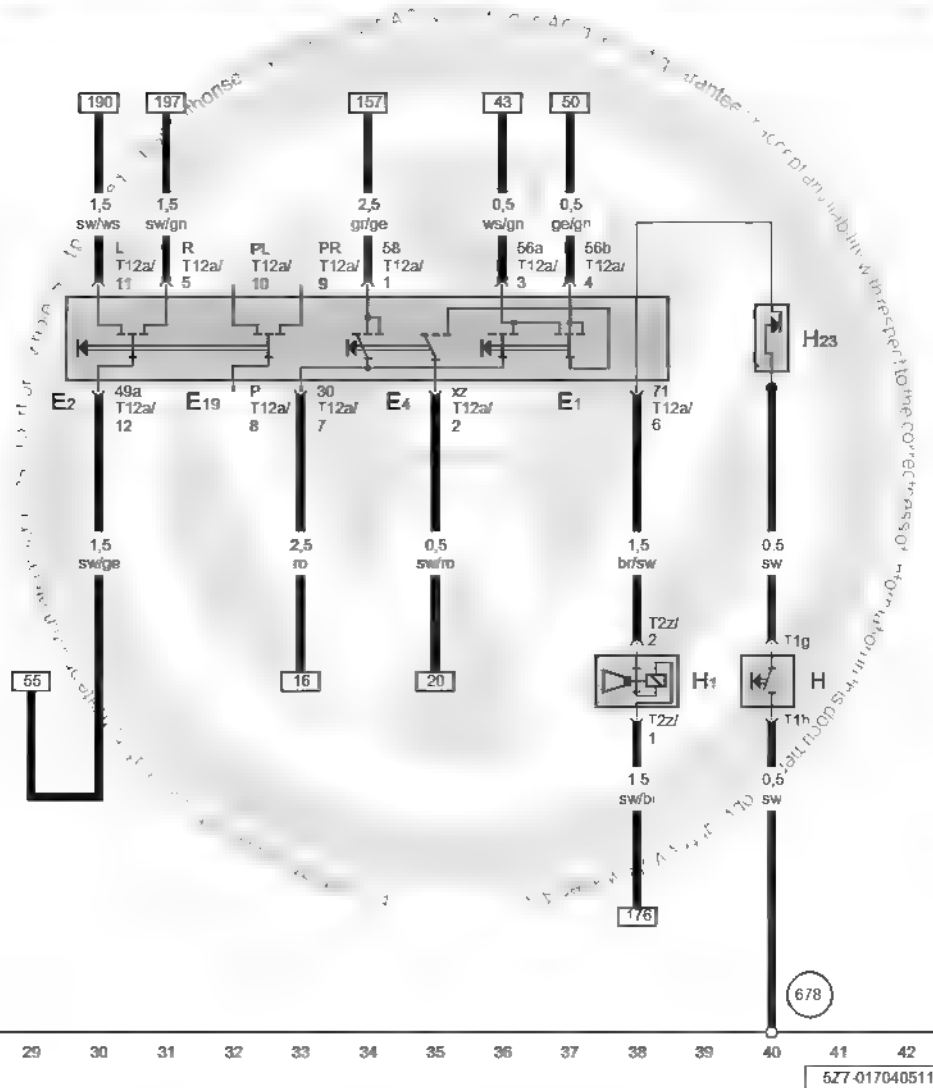
ws white  
 sw black  
 ro red  
 br brown  
 gn green  
 bl blue  
 gr grey  
 li purple  
 ge yellow  
 or orange  
 rs pink

5Z7-017030511

Light switch Flashingturn light switch Headlight dipper and flasher switch Parking light switch Horn activator Horn and dual tone horn Horn activation contact ring

- E1 Light switch
- E2 Flashingturn light switch
- E4 Headlight dipper and flasher switch
- E19 Parking light switch
- H Horn activator
- H1 Horn or dual tone horn
- H23 Horn activation contact ring
- T1g Fitting connector single on horn activator
- T1h Fitting connector single on horn activator
- T2z Fitting connector 2pin in horn or dual tone horn
- T12a Fitting connector 12 poles in light switch

678 Earth point on steering wheel

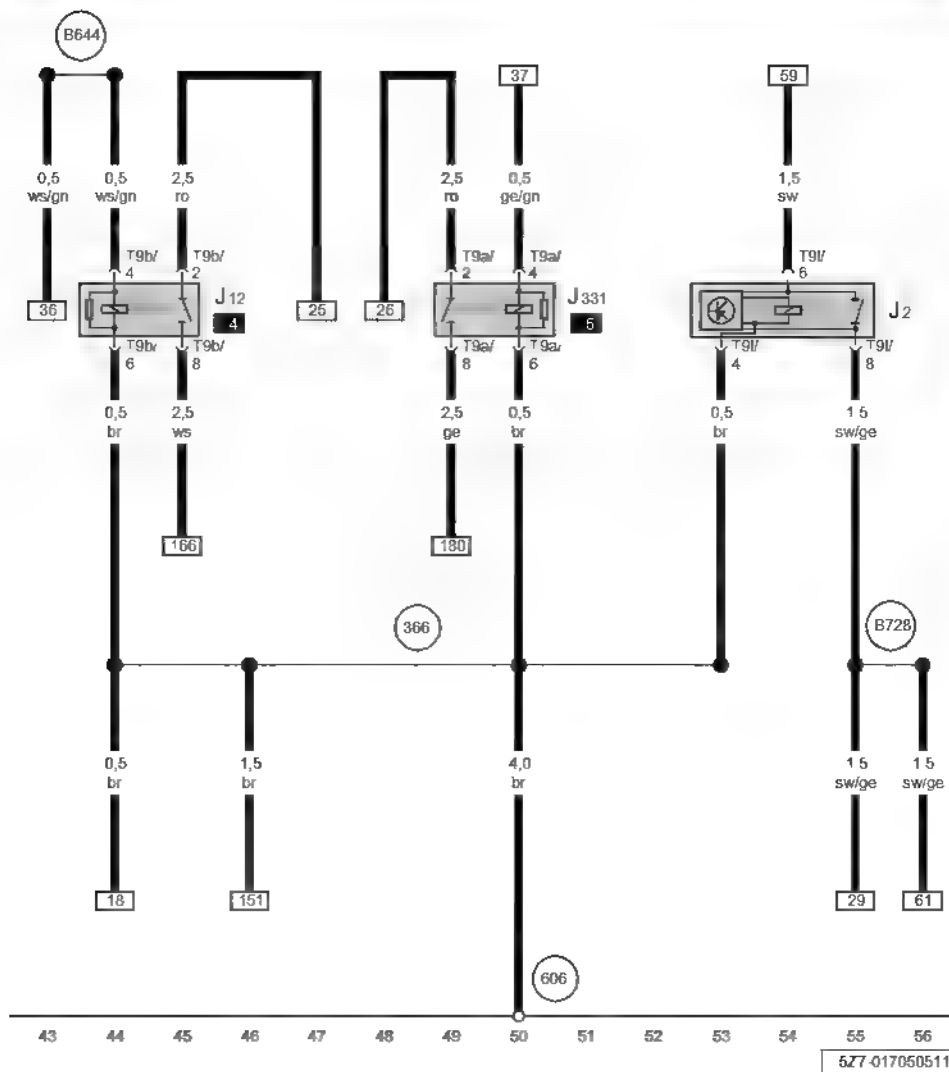


- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink

Hazard warning light relay Headlight main beam relay  
Dipped beam relay

- J2 Hazard warning light relay
- J12 Headlight main beam relay
- J331 Dipped beam relay
- T9a Fitting connector 9pin in dipped beam relay
- T9b Fitting connector 9pin in headlight main beam relay
- T9l Fitting connector 9pin on warning light relay

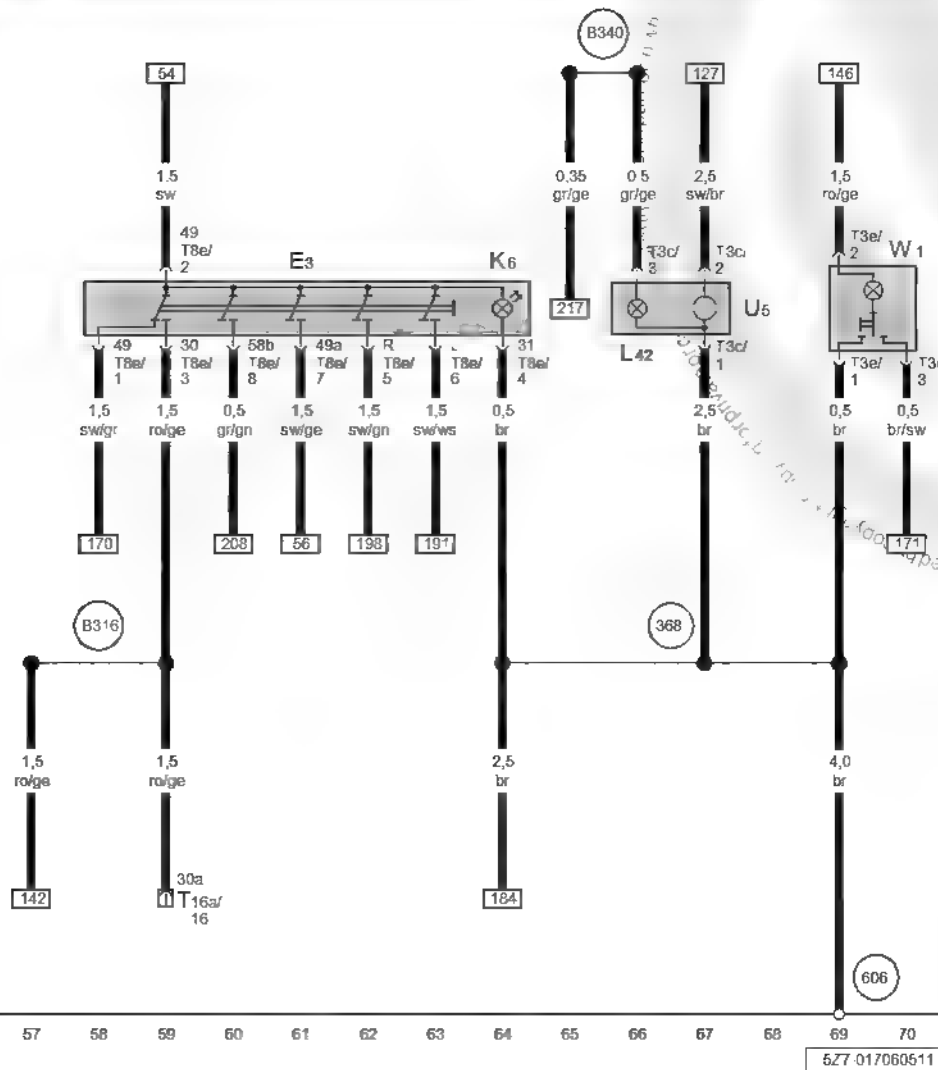
- 366 Earth connection 1 in main harness
- 606 Earth point under the centre console near the selection lever
- B644 Connection 3 56a on main harness
- B728 Connection 49a on main harness



Hazard warning light switch Indicator lamp for hazard warning light Socket light bulb 12volt socket Front internal light

- E3 Hazard warning light switch
- K6 Indicator lamp for hazard warning light
- L42 Socket illumination bulb
- T3c Fitting connector 3pin on 12volt socket
- T3e Fitting connector 3pin in front interior light
- T8e Fitting connector 8pin on warning light switch
- T16a Fitting connector 16 poles in diagnosis
- U5 12volt socket
- W1 Front internal light

- 368 Earth connection 3pin main harness
- 606 Earth point under the centre console near the selection lever
- B316 Positive connection 2 30a on main harness
- B340 Connection 1 58a on main harness



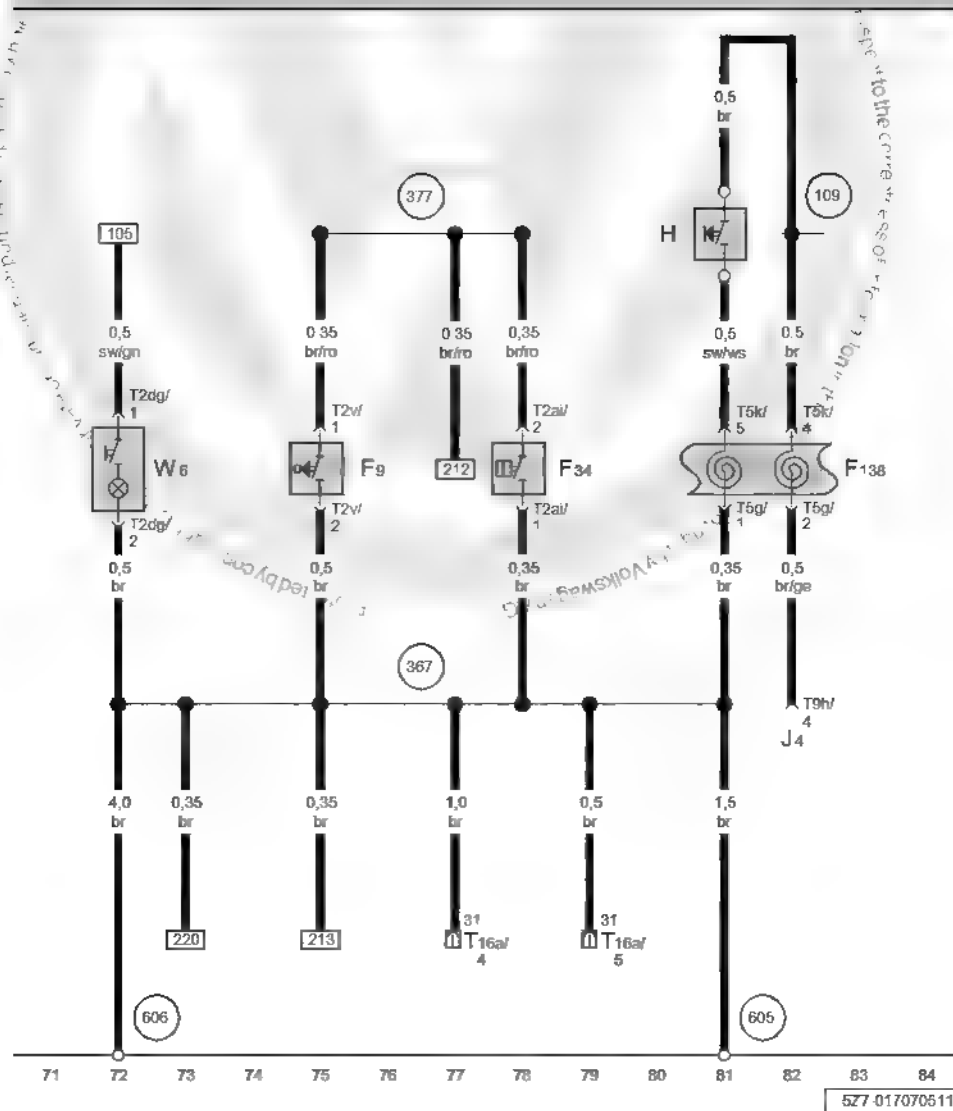
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Handbrake warning switch  
Brake oil level warning contact  
Airbag coil connector and return ring with slip ring  
Horn activator  
Glove compartment light

- F9 Handbrake warning switch
- F34 Brake oil level warning contact
- F138 Airbag coil connector and return ring with slip ring
- H Horn activator
- J4 Dual tone horn relay
- T2v Fitting connector 2pin on Park brake control switch
- T2ai Fitting connector 2pin on Brake oil level warning contact
- T2dg Fitting connector 2pin in glove compartment light
- T5g Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T5k Fitting connector 5pin on airbag coil connector and return ring with slip ring
- T9h Fitting connector 9pin in dual tone horn relay
- T16a Fitting connector 16 poles in diagnosis
- W6 Glove compartment light

- 109 Earth connection in the airbag wiring harness
- 367 Earth connection 2 in main harness
- 377 Earth connection 12 in main harness
- 605 Earth point in upper steering column area
- 606 Earth point under the centre console near the selection lever

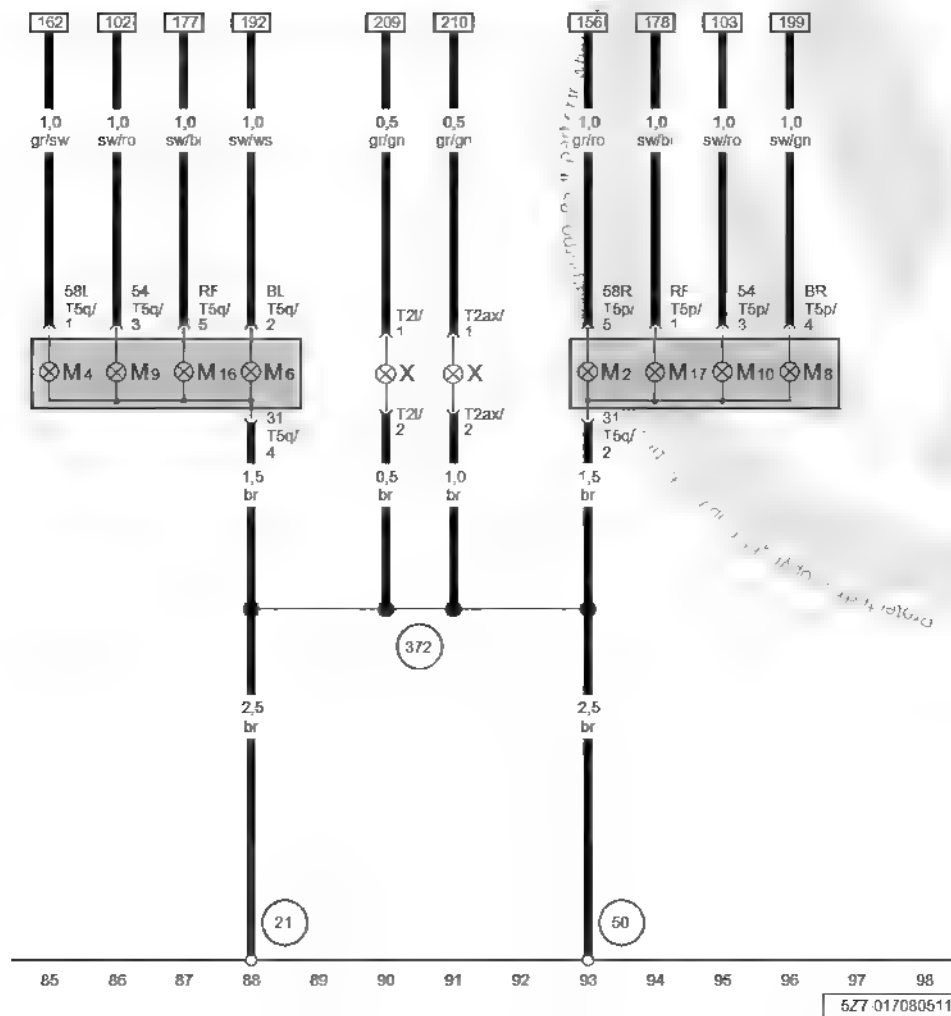




Right tail light lamp Left tail light lamp Left tail light lamp Left rear indicator light lamp Right rear indicator light lamp Left brake light bulb Right brake light bulb Left reversing light lamp Right reversing light lamp Number plate light

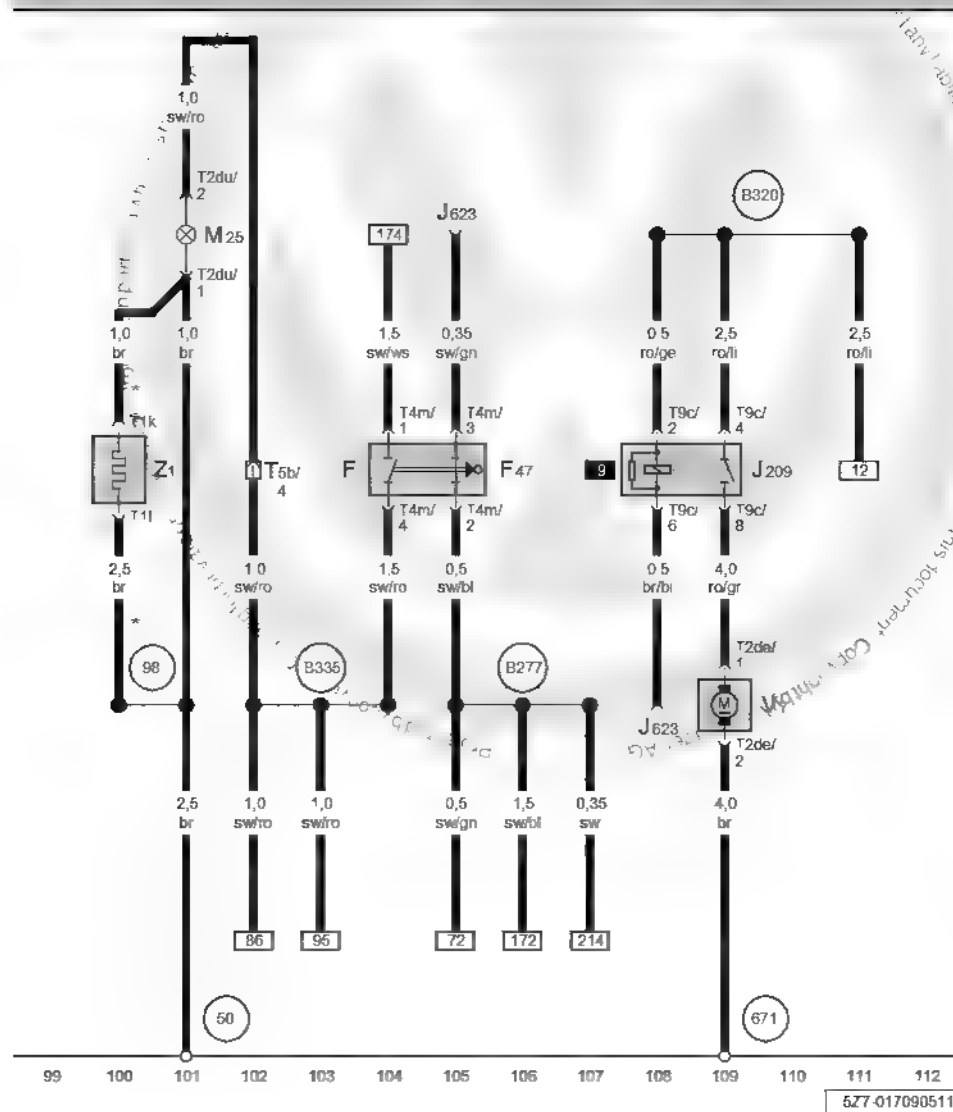
M2 Right tail light lamp  
M4 Left tail light lamp  
M6 Left rear indicator light lamp  
M8 Right rear indicator light lamp  
M10 Right brake light bulb  
M16 Left reversing light lamp  
M17 Right reversing light lamp  
T2l Fitting connector 2pin in license plate light  
T2ax Fitting connector 2pin in license plate light  
T5p Fitting connector 5pin for Right tail light  
T5q Fitting connector 5pin for left tail light  
X License plate light

21 Earth point near fuel pump  
50 Earth point on left luggage compartment  
372 Earth connection 7 in main harness



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

527 017080511



Brake light switch Brake pedal switch Fresh air blower and radiator fan relay Lamp for 'brakelight' Radiator fan Heated rear window

- F Brake light switch
- F47 Brake pedal switch
- J209 Fresh air blower and radiator fan relay
- J623 Engine control unit
- M25 Lamp for 'brakelight'
- T1k Fitting connector single heated rear window
- T1l Fitting connector single heated rear window
- T2de Fitting connector 2pin on radiator fan
- T2du Fitting connector single on lamp for 'brakelight'
- T4m Fitting connector 4pin on brake pedal switch
- T5b Fitting connector 5pin behind rear left side lining near the wheelhouse
- T9c Fitting connector 9pin fresh air blower and radiator fan relay
- V7 Radiator fan
- Z1 Heated rear window

- 50 Earth point on left luggage compartment
- 98 Earth connection on rear lid wiring harness
- 671 Earth point 1 on left front longitudinal member
- B277 Positive connection 1 15a on main harness
- B320 Positive connection 6 30a on main harness
- B335 Connection 1 54 on main harness
- Only for vehicles with heater rear window

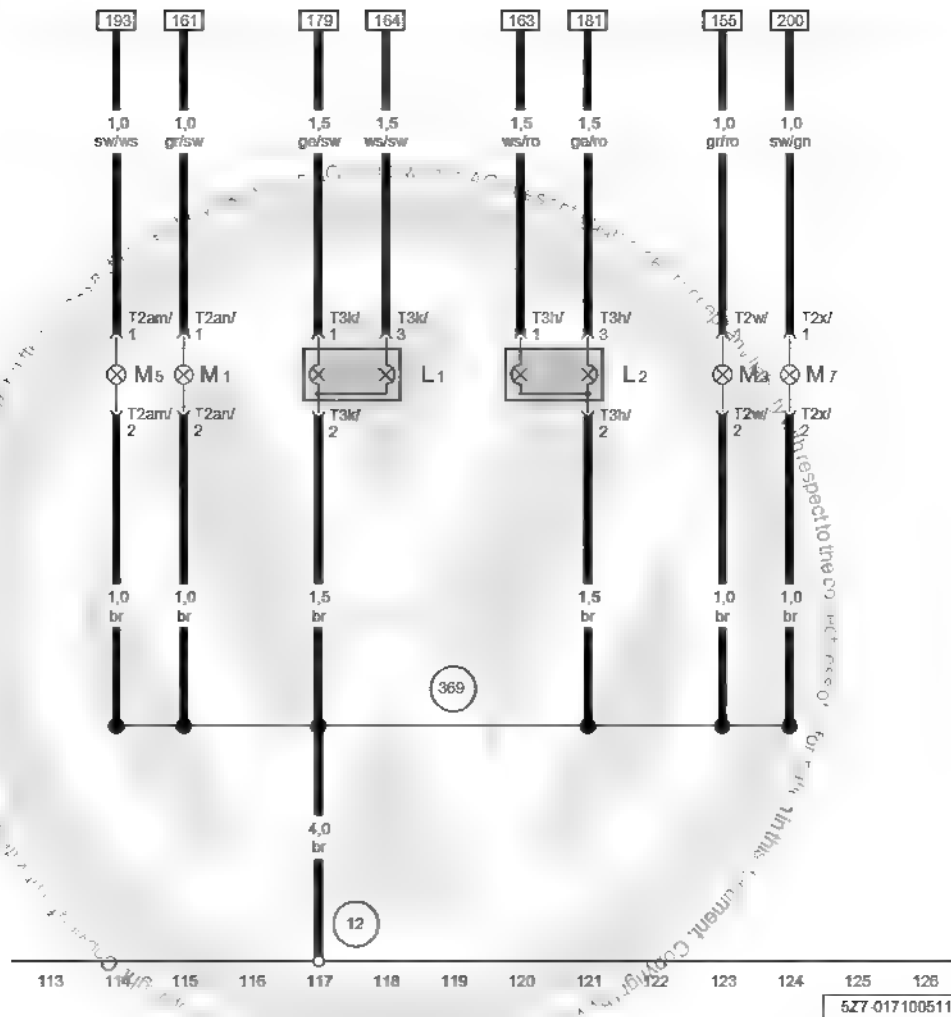
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

Left headlight twin filament bulb Right headlight twin filament bulb Left front side light lamp Right front side light lamp Left front indicator light lamp Right front indicator light lamp

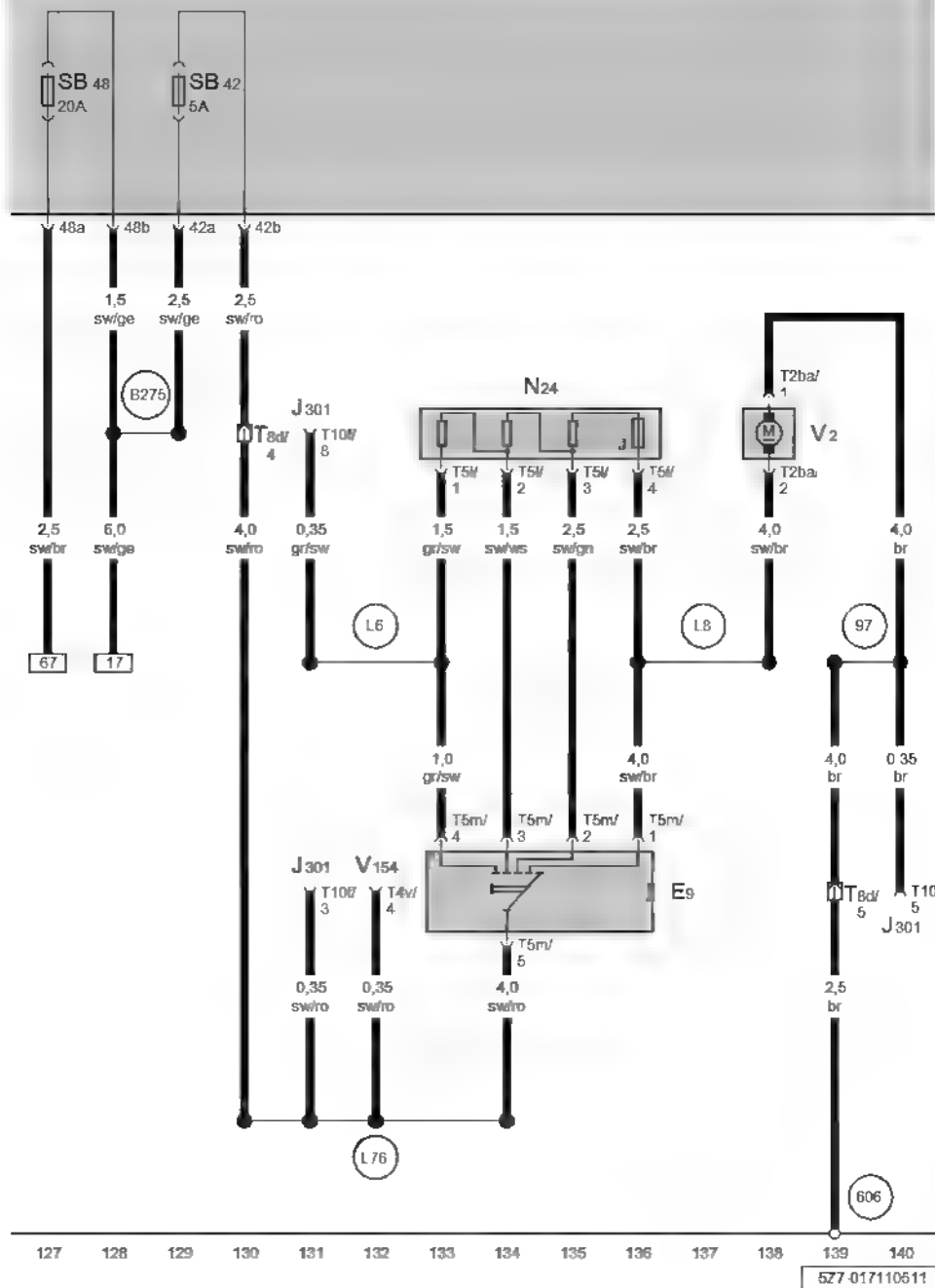
- L1 Left headlight twin filament bulb
- L2 Right headlight twin filament bulb
- M1 Left front sidelight lamp
- M3 Right front sidelight lamp
- M5 Left front indicator light lamp
- M7 Right front indicator light lamp
- T2am Fitting connector 2pin in left front indicator light lamp
- T2an Fitting connector 2pin in left front sidelight lamp
- T2w Fitting connector 2pin in right front sidelight lamp
- T2x Fitting connector 2pin in right front indicator light lamp
- T3h Fitting connector 3pin on right headlight twin filament bulb
- T3k Fitting connector 3pin on left headlight twin filament bulb

12 Earth point in engine compartment left

369 Earth connection 4 in main harness



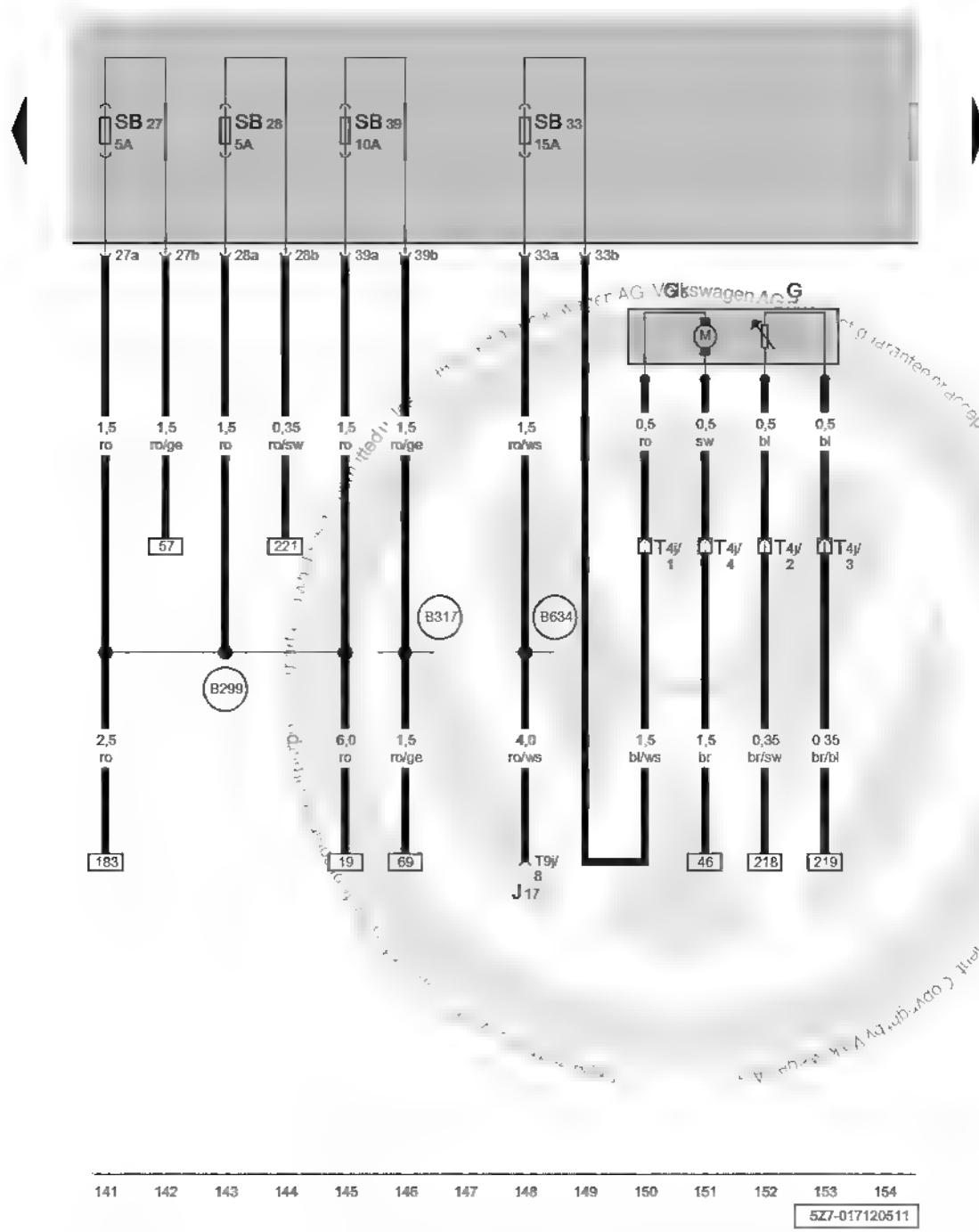
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Rear fresh air blower switch Fresh air blower series resistor with overheating fuse Fresh air blower

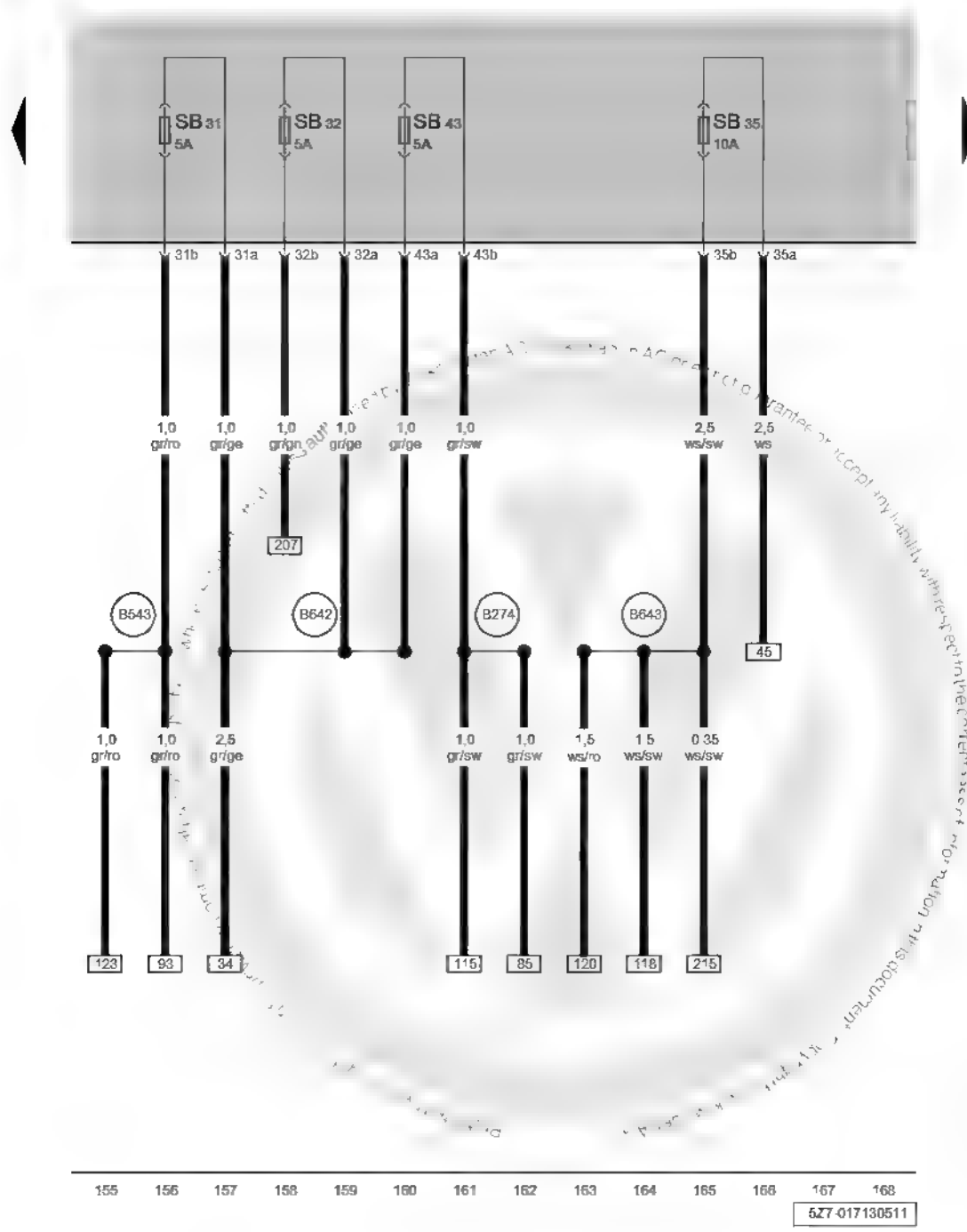
- E9 Fresh air blower switch
- J301 Air conditioning system control unit
- N24 Fresh air blower series resistor with overheating fuse
- SB42 Fuse 42 on fuse holder B
- SB48 Fuse 48 on fuse holder B
- T2ba Fitting connector 2pin on fresh air blower
- T4v Fitting connector 4pin on control motor for the fresh air valve and the recirculation valve
- T5l Fitting connector 5pin on fresh air blower series resistor with overheating fuse
- T5m Fitting connector 5pin on fresh air blower switch
- T8d Fitting connector 8pin on behind dash panel centre
- T10f Fitting connector 10 poles on Air conditioning system control unit
- V2 Fresh air fan
- V154 Control motor for the fresh air valve and the recirculation valve

- 97 Earth connection 1 on air conditioning wiring harness
- 606 Earth point under the centre console near the selection lever
- B275 Positive connection 87 on main harness
- L6 Connection 2 on wiring harness for box of the air conditioning
- L8 Connection 4 on wiring harness for box of the air conditioning
- L76 Connection 87 on air conditioning wiring harness



# Fuel gauge sender Fuel pump presupply pump

- G Fuel gauge sender
- G6 Fuel system pressurization pump
- J17 Fuel pump relay
- SB27 Fuse 27 on fuse holder B
- SB28 Fuse 28 on fuse holder B
- SB33 Fuse 33 on fuse holder B
- SB39 Fuse 39 on fuse holder B
- T4j Fitting connector 4pin on Fuel pump presupply pump
- T9j Fitting connector 9pin on Fuel pump relay
- (B299) Positive connection 3 30 on main harness
- (B317) Positive connection 3 30a on main harness
- (B634) Positive connection 2 87 on main harness

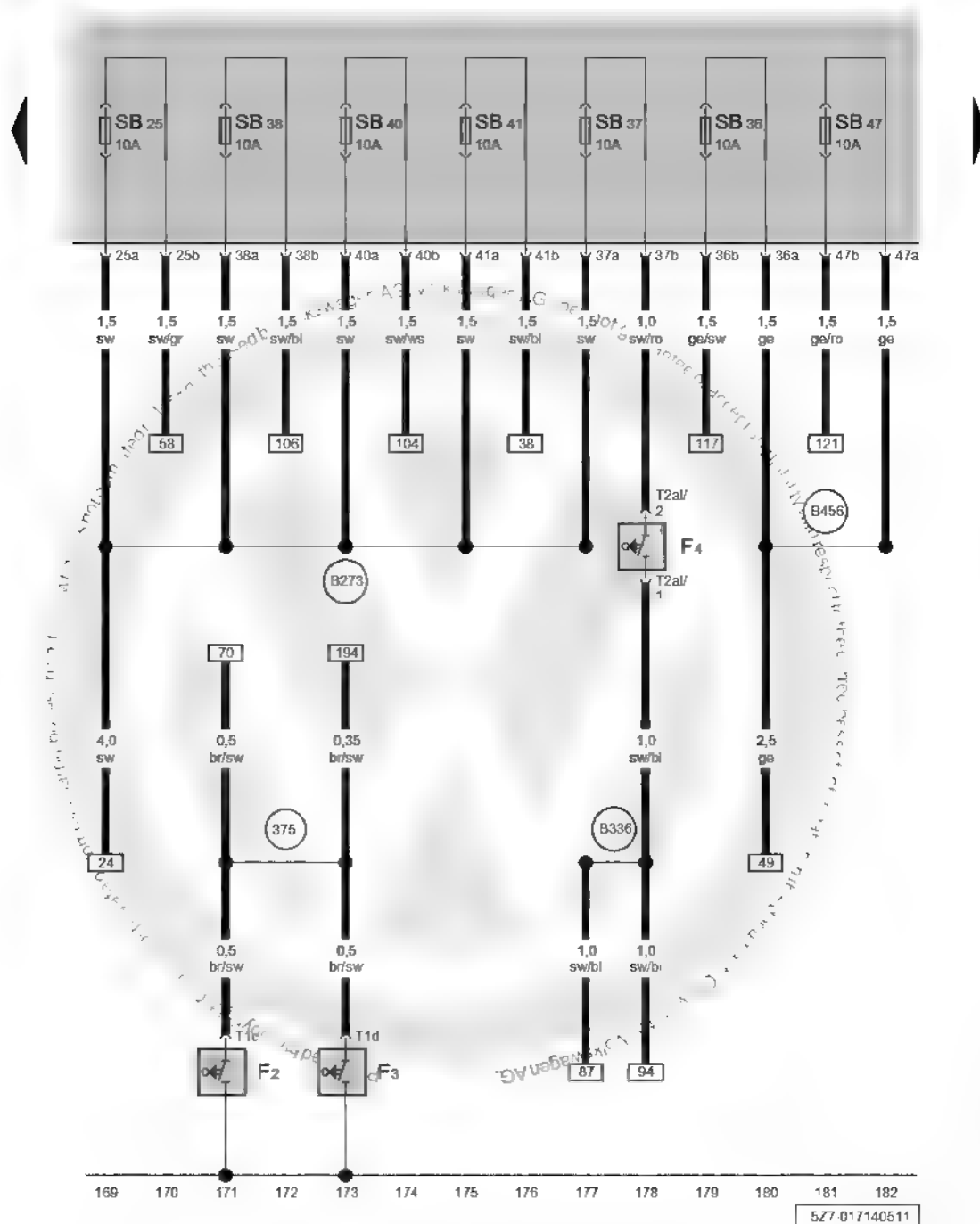


# Fuses

- SB31 Fuse 31 on fuse holder B
- SB32 Fuse 32 on fuse holder B
- SB35 Fuse 35 on fuse holder B
- SB43 Fuse 43 on fuse holder B

- B274 Positive connection 58L on main harness
- B543 Positive connection 58R on main harness
- B642 Positive connection 58 on main harness
- B643 Connection 2 56a on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

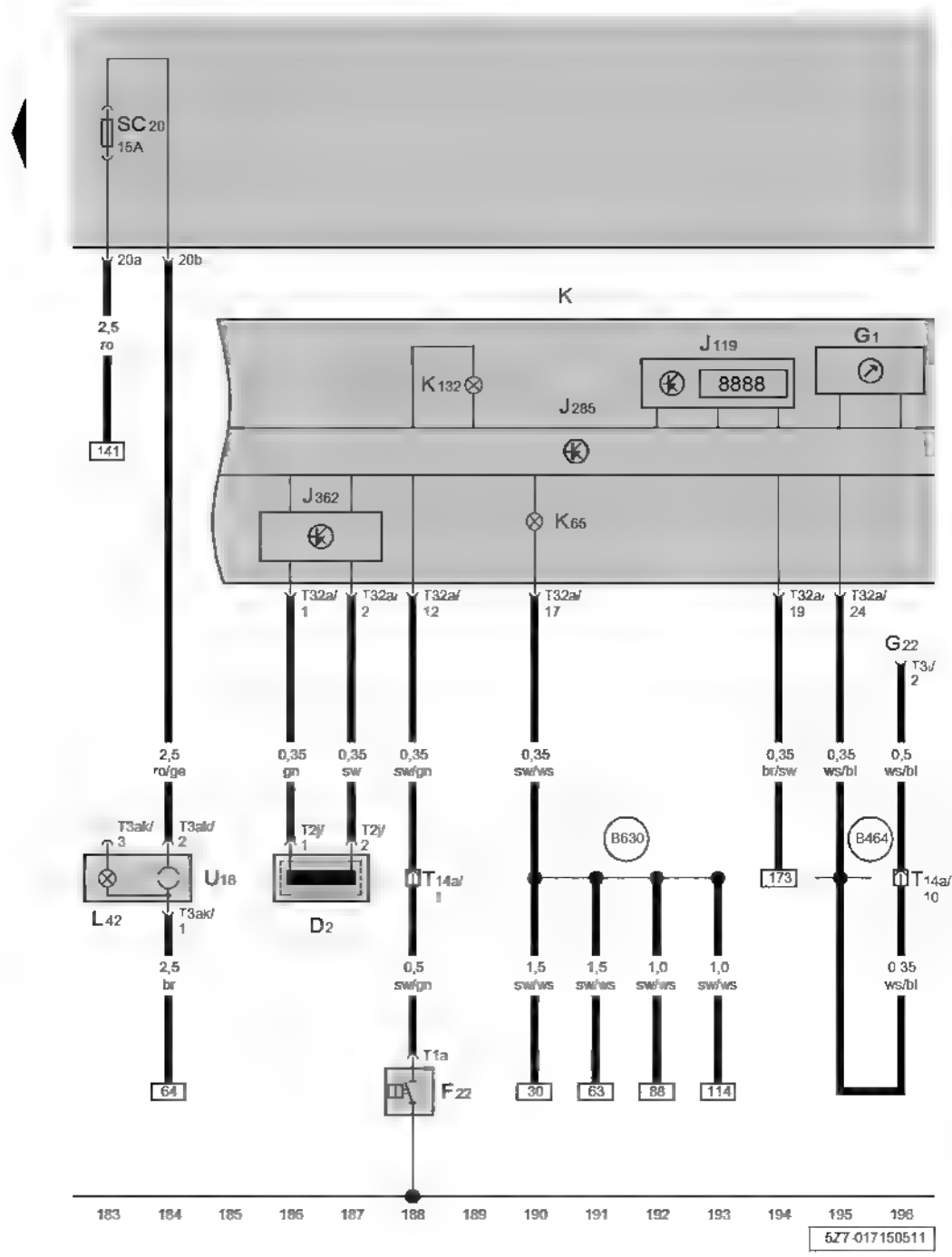


Driver door contact switch Front passenger door contact switch Reversing light switch

- F2 Driver door contact switch
- F3 Front passenger door contact switch
- F4 Reversing light switch
- SB25 Fuse 25 on fuse holder B
- SB36 Fuse 36 on fuse holder B
- SB37 Fuse 37 on fuse holder B
- SB38 Fuse 38 on fuse holder B
- SB40 Fuse 40 on fuse holder B
- SB41 Fuse 41 on fuse holder B
- SB47 Fuse 47 on fuse holder B
- T1c Fitting connector single on Driver door contact switch
- T1d Fitting connector single on Front passenger door contact switch
- T2al Fitting connector 2pin on reversing light switch
- 375 Earth connection 10 in main harness
- B273 Positive connection 15 on main harness
- B336 Connection 2 54 on main harness
- B456 Connection 56b on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

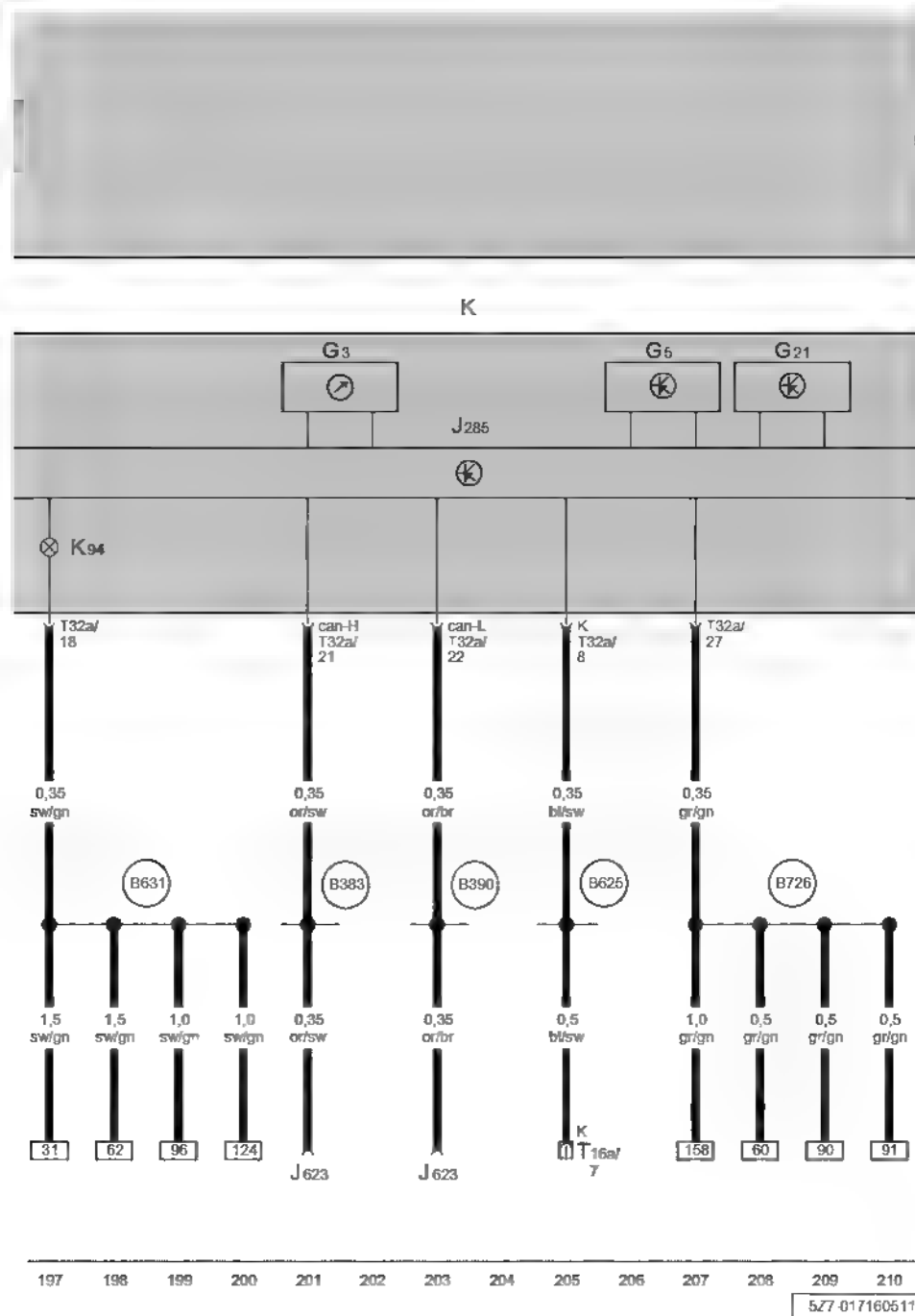




Immobilizer reading coil Oil pressure switch Fuel level indicator Multifunction indicator Immobilizer control unit Combined instrument Left turn signal control light 'Egas' system failure indicator light

D2	Immobilizer reading coil
F22	Oil pressure switch
G1	Fuel level indicator
G22	Speed sensor
J119	Multifunction indicator
J285	Control unit w indicator on the combined instrument
J362	Immobilizer control unit
K	Combined instrument
K65	Left turn signal control light
K132	'Egas' system failure indicator light
L42	Socket illumination bulb
SC20	Fuse 20 on fuse holder C
T1a	Fitting connector single on oil pressure switch
T2j	Fitting connector 2pin in Immobilizer reading coil
T3i	Fitting connector 3pin on speed sensor
T3ak	Fitting connector 3pin on 12 V socket 2
T14a	Fitting connector 14 poles on left engine compartment
T32a	Fitting connector 32 poles on Control unit w indicator on the combined instrument
U18	12 V socket 2
B464	Connection speed signal on main harness
B630	Connection turn signal left on main harness

ws	white
sw	black
ro	red
br	brown
gn	green
bl	blue
gr	grey
li	purple
ge	yellow
or	orange
rs	pink

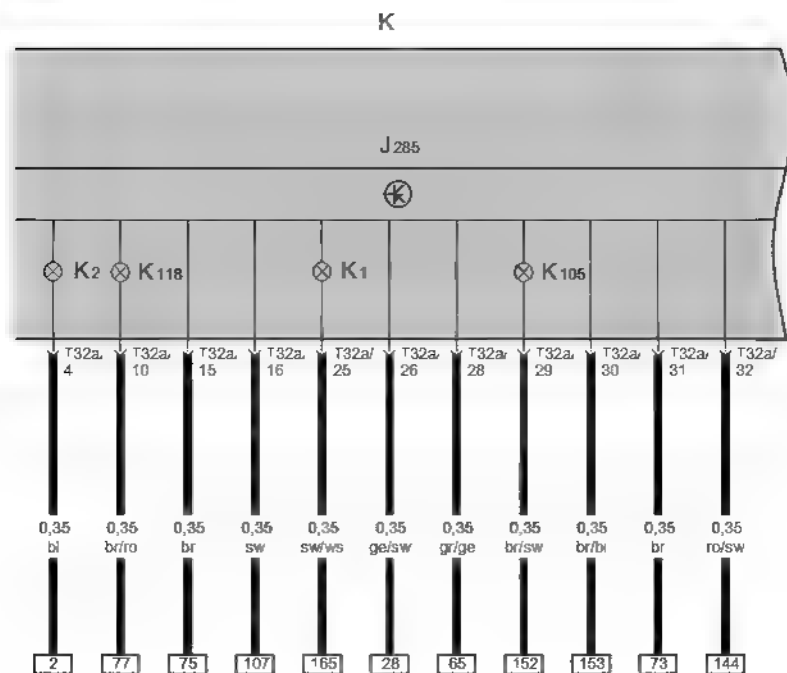


Coolant temperature indicator Tachometer Speedometer  
Control unit w indicator on the combined instrument  
Combined instrument Right turn signal control light

- G3 Coolant temperature indicator
- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- J623 Engine control unit
- K Combined instrument
- K94 Right turn signal control light
- T16a Fitting connector 16 poles in diagnosis
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

- B383 Connection 1 CANbus 'high' command on main harness
- B390 Connection 1 CANbus 'low' command on main harness
- B625 Connection diagnostic cable K on main harness
- B631 Connection turn signal right on main harness
- B726 Positive connection 2 58 on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Control unit w indicator on the combined instrument  
 instrument High beam control light Alternator control light Fuel  
 reserve control light Brake system control light

- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- K1 High beam control light
- K2 Alternator control light
- K105 Fuel reserve control light
- K118 Brake system control light
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

ws white  
 sw black  
 ro red  
 br brown  
 gn green  
 bl blue  
 gr grey  
 li purple  
 ge yellow  
 or orange  
 rs pink

## Twin headlight

From May 2011

### Notes

For information about

- ◆ Location of relay and fuse

- ◆ Connectors

- ◆ Control units

- ◆ Earth points

- See fitting locations

For information about

- ◆ Assisted fault pinpointing

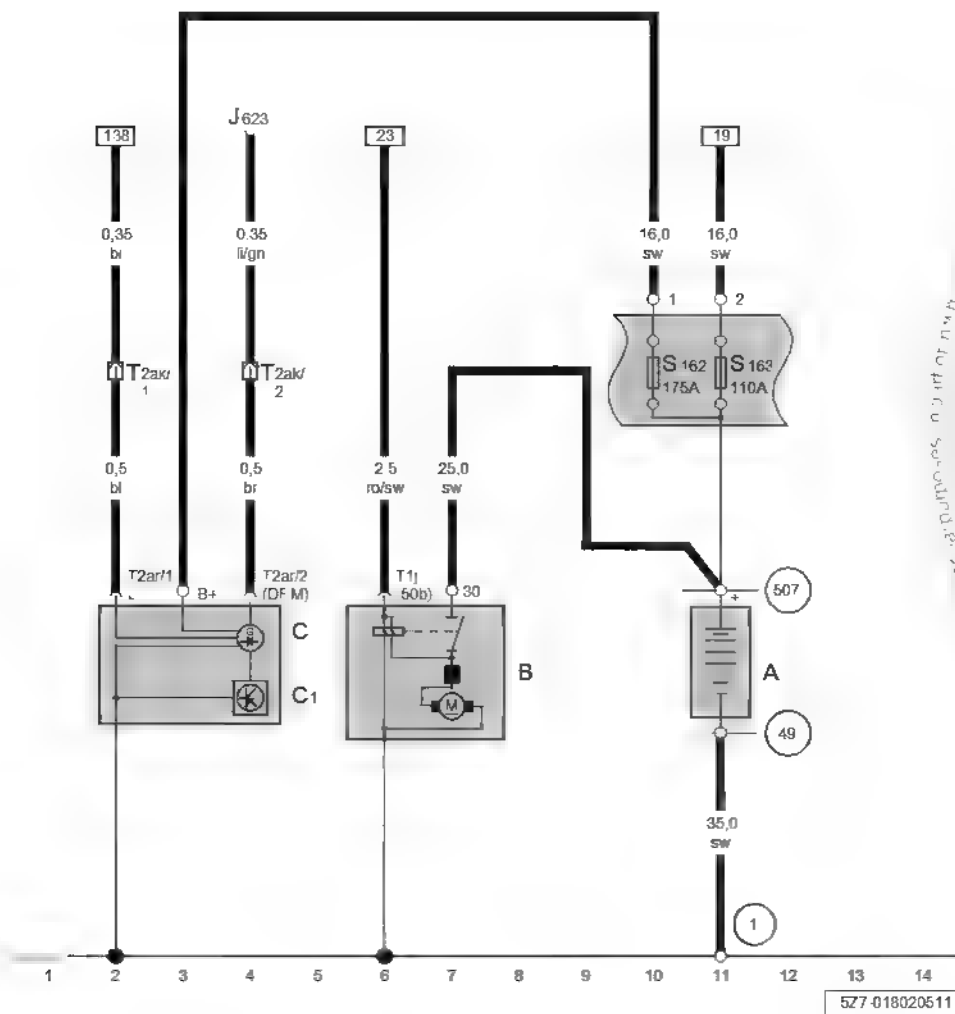
- See Guided functions

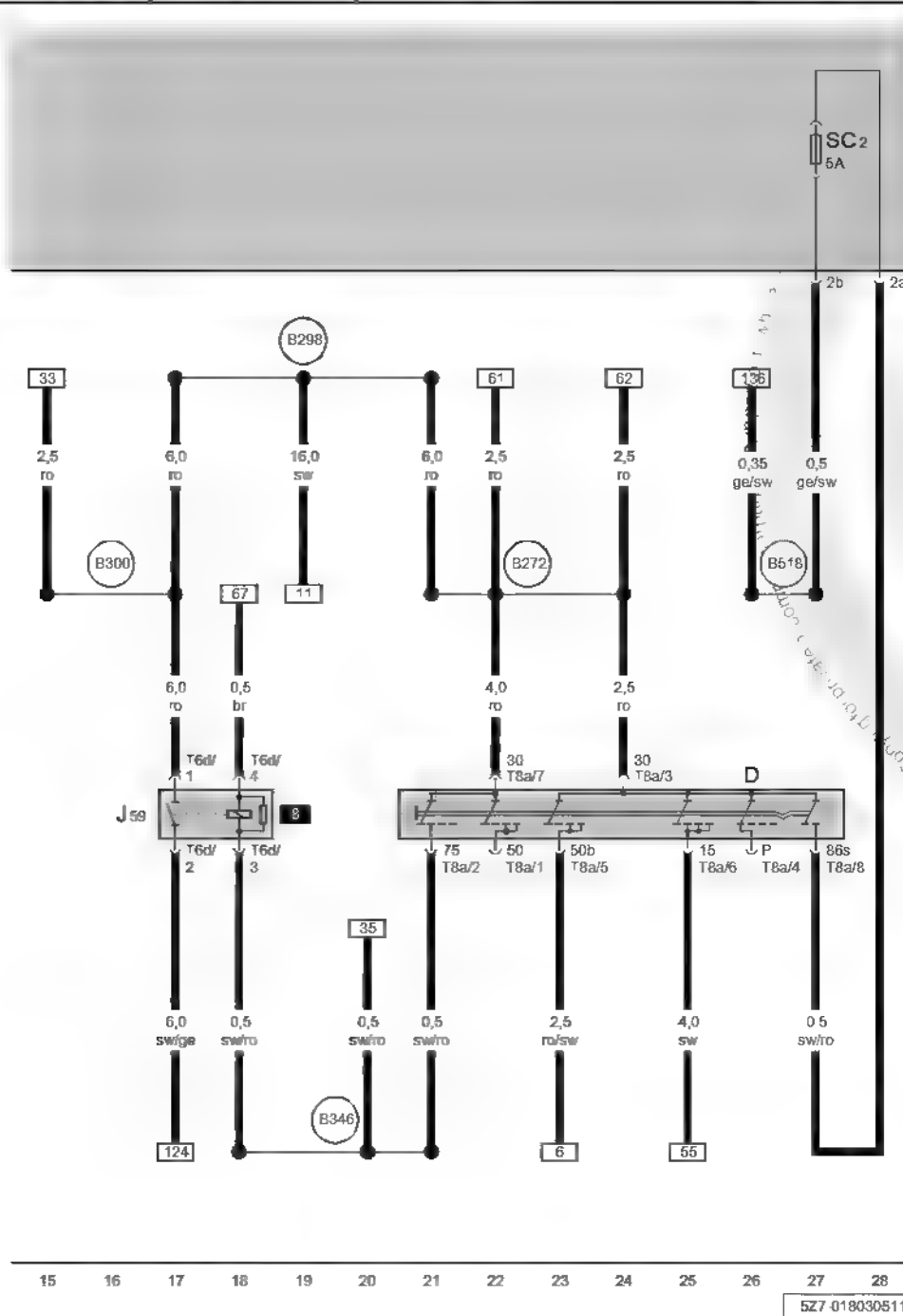
Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector single on starter
- T2ar Fitting connector 2pin on generator alternator

- 1 ) Earth strap battery body
- 49 ) Earth point near the battery
- 507 ) Screw connection 30 battery fuse holder

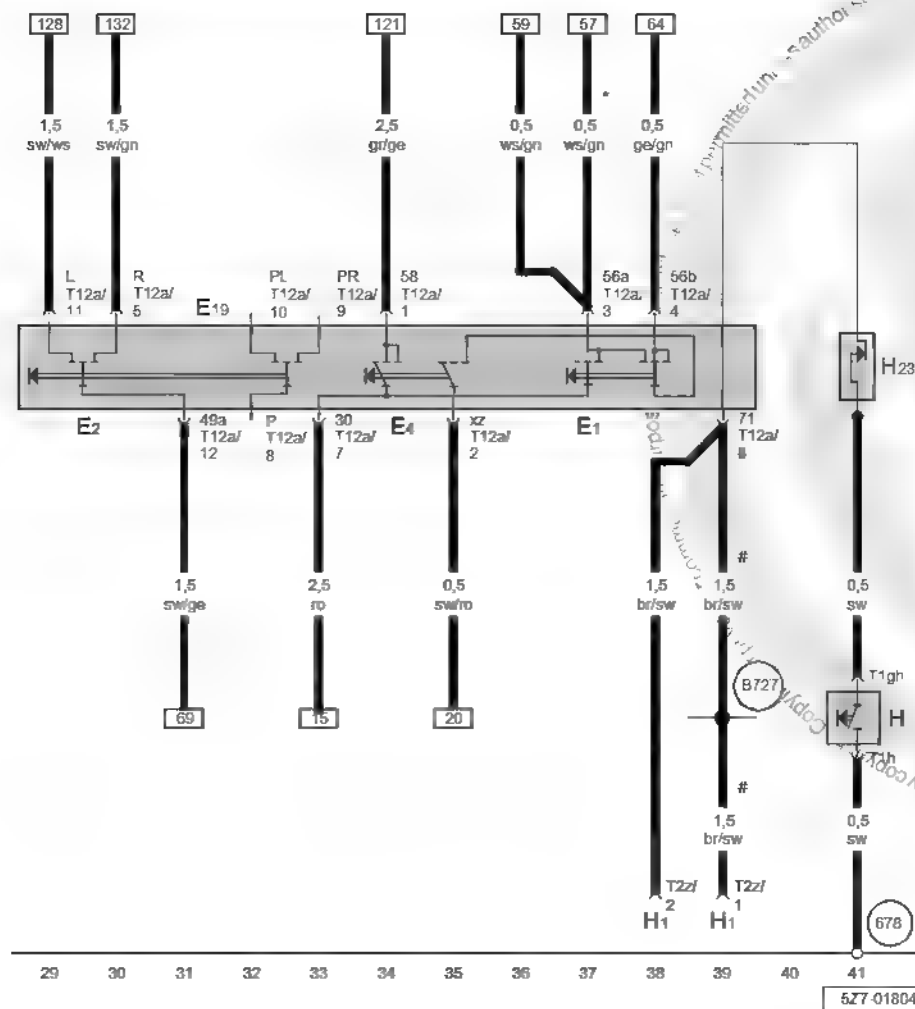
- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink





# Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SC2 Fuse 2 on fuse holder C
- SC2 Fuse 2 on fuse holder C
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch
- (B272) Positive connection 30 on main harness
- (B298) Positive connection 2 30 on main harness
- (B300) Positive connection 4 30 on main harness
- (B346) Connection 1 75 on main harness
- (B518) Connection 86s on main harness



Light switch Flashingturn light switch Headlight dipper and flasher switch Parking light switch Horn activator Horn activation contact ring

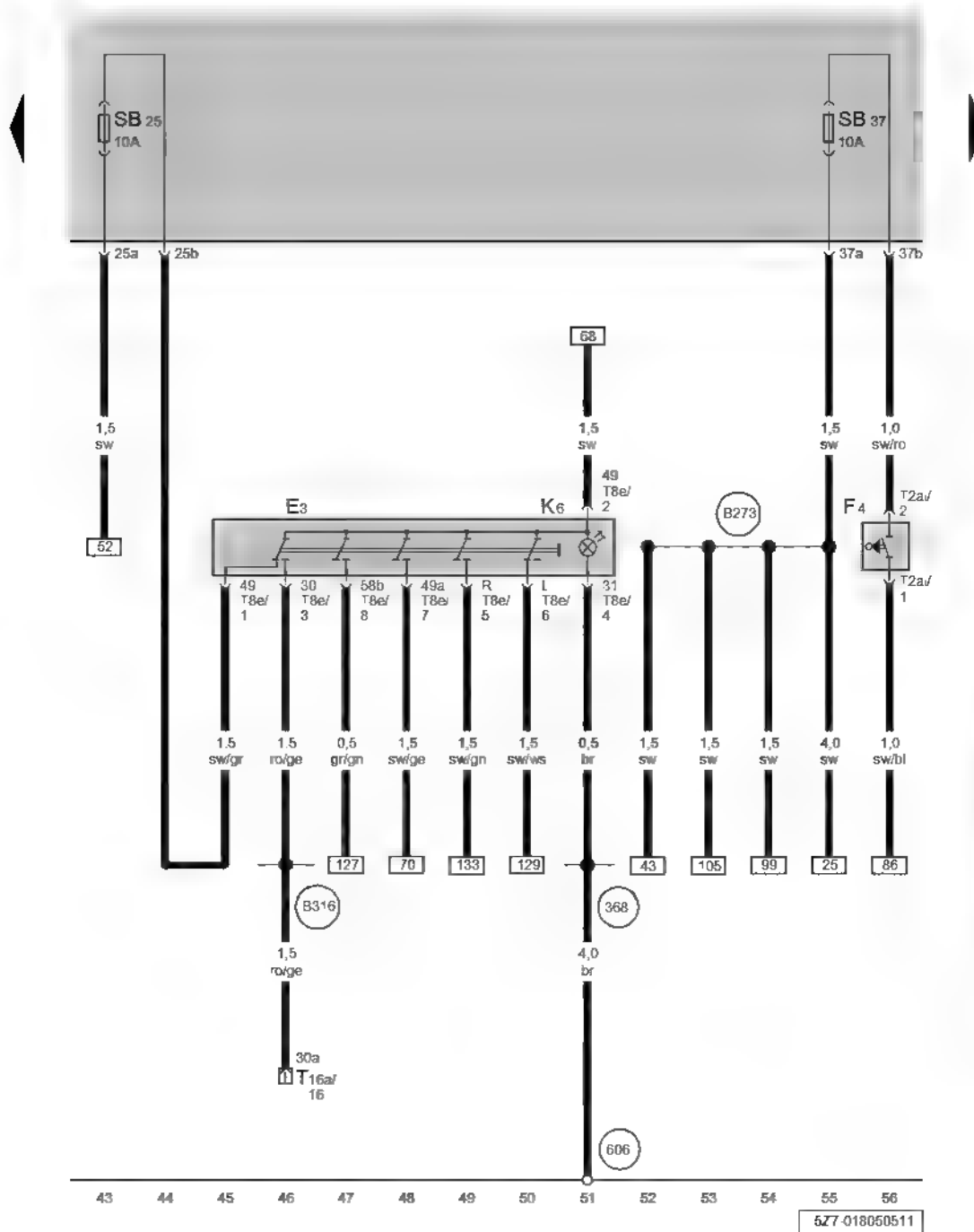
- E1 Light switch
- E2 Flashingturn light switch
- E4 Headlight dipper and flasher switch
- E19 Parking light switch
- H Horn activator
- H1 Horn or dual tone horn
- H23 Horn activation contact ring
- T1gh Fitting connector single on horn activator
- T1h Fitting connector single on horn activator
- T22 Fitting connector 2pin in horn or dual tone horn
- T12a Fitting connector 12 poles in light switch

678 Positive connection 4 30 on main harness

B727 Connection 71a on main harness

Only for CROSS vehicles

Only for vehicles with multifunction steering wheel



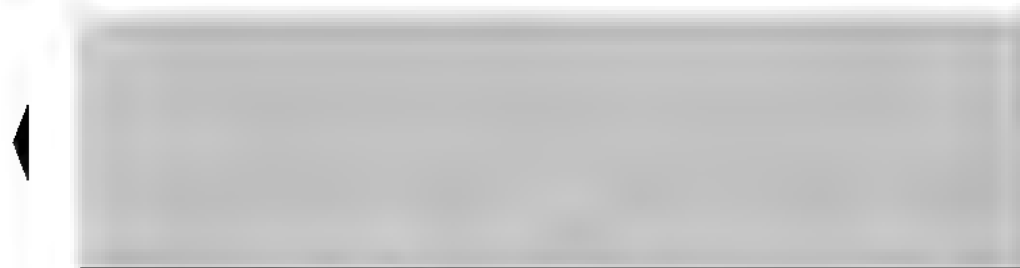
Hazard warning light switch Indicator lamp for hazard warning light Reversing light switch

- E3 Hazard warning light switch
- F4 Reversing light switch
- K6 Indicator lamp for hazard warning light
- SB25 Fuse 25 on fuse holder B
- SB37 Fuse 37 on fuse holder B
- T2a Fitting connector 2pin on brake light switch
- T8e Fitting connector 8pin on warning light switch
- T16a Fitting connector 16 poles in diagnosis

- 368 Earth connection 3 in main harness
- 606 Earth point under the centre console near the selection lever
- B273 Positive connection 15 on main harness
- B316 Positive connection 2 30a on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

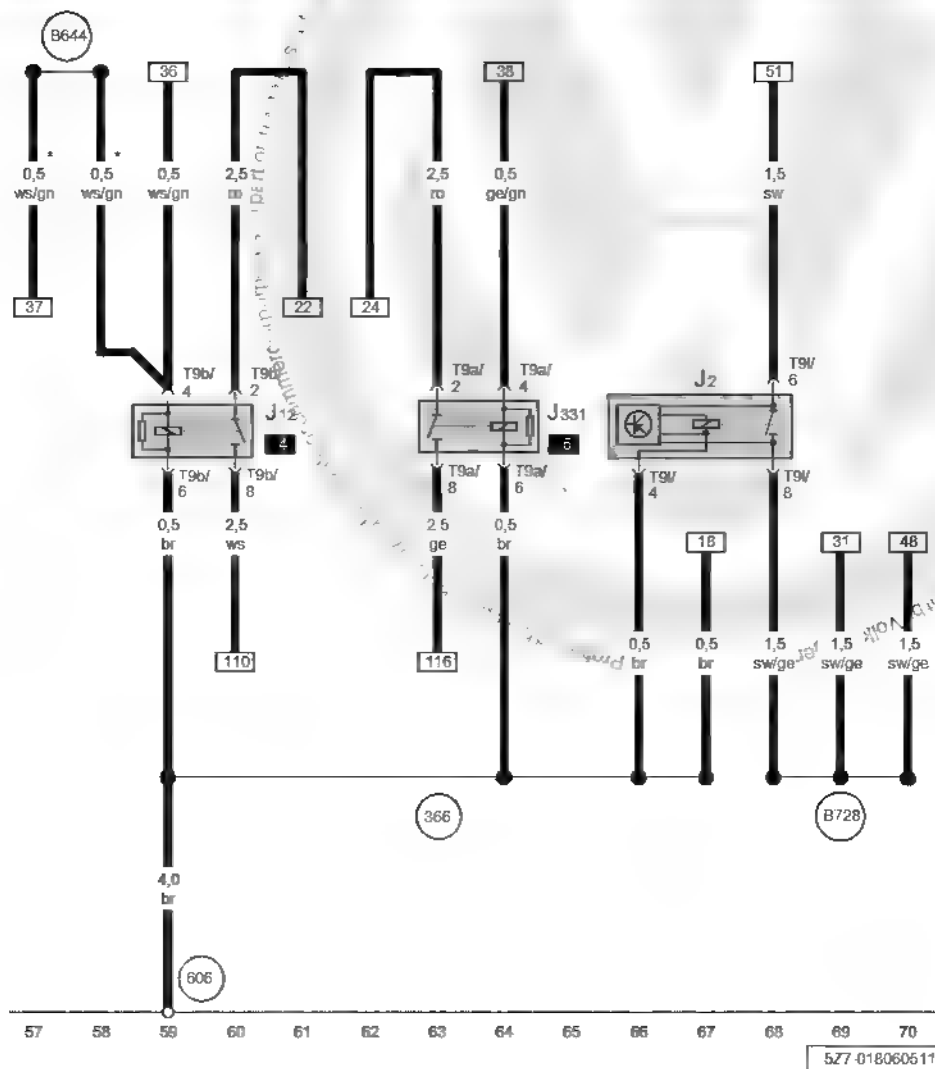




Hazard warning light relay Headlight main beam relay  
Dipped beam relay

- J2 Hazard warning light relay
- J12 Headlight main beam relay
- J331 Dipped beam relay
- T9a Fitting connector 9pin in dipped beam relay
- T9b Fitting connector 9pin in headlight main beam relay
- T9l Fitting connector 9pin on warning light relay

- 366 Connection 3 56a on main harness
- 606 Earth point under the centre console near the selection lever
- B644 Connection 3 56a on main harness
- B728 Connection 49a on main harness
- Only for CROSS vehicles

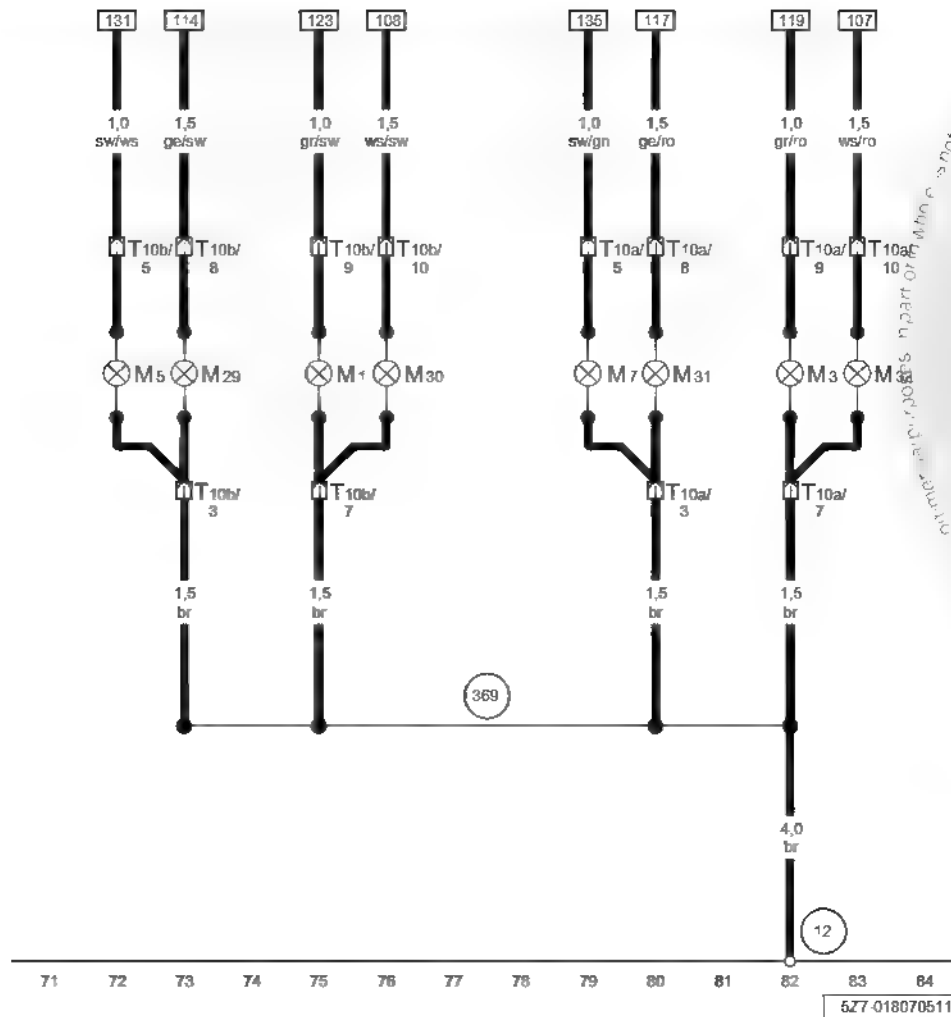


- ws white
- sw black
- ro red
- br brown
- gn green
- bl blue
- gr grey
- li purple
- ge yellow
- or orange
- rs pink

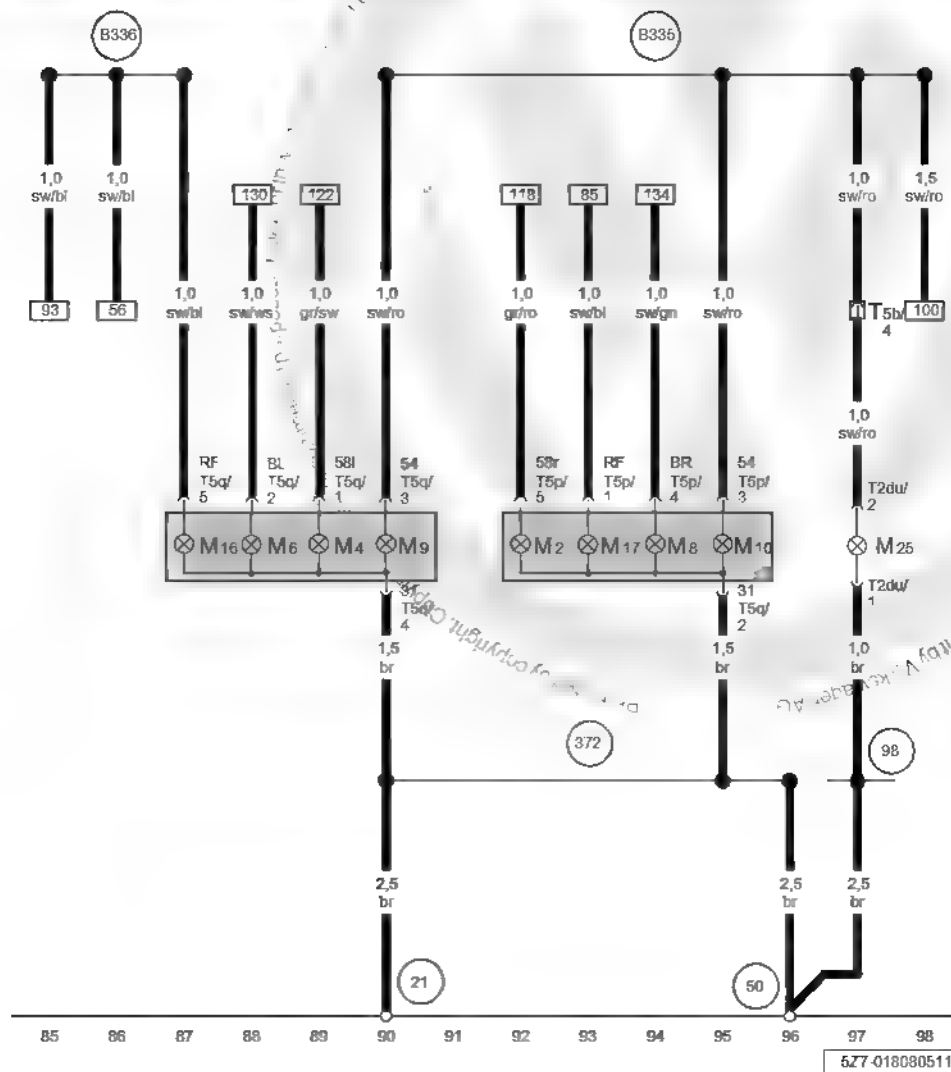
Left front side light lamp Right front side light lamp Left front indicator light lamp Right front indicator light lamp Left low beam lamp Left high beam lamp Right low beam lamp Right high beam lamp

- M1 Left front sidelight lamp
- M3 Right front sidelight lamp
- M5 Left front indicator light lamp
- M7 Right front indicator light lamp
- M29 Left low beam lamp
- M30 Left high beam lamp
- M31 Right low beam lamp
- M32 Right high beam lamp
- T10a Fitting connector 10 poles in right front indicator light lamp
- T10b Fitting connector 10 poles in left front indicator light lamp

- 12 Earth point in engine compartment left
- 369 Earth connection 4 in main harness



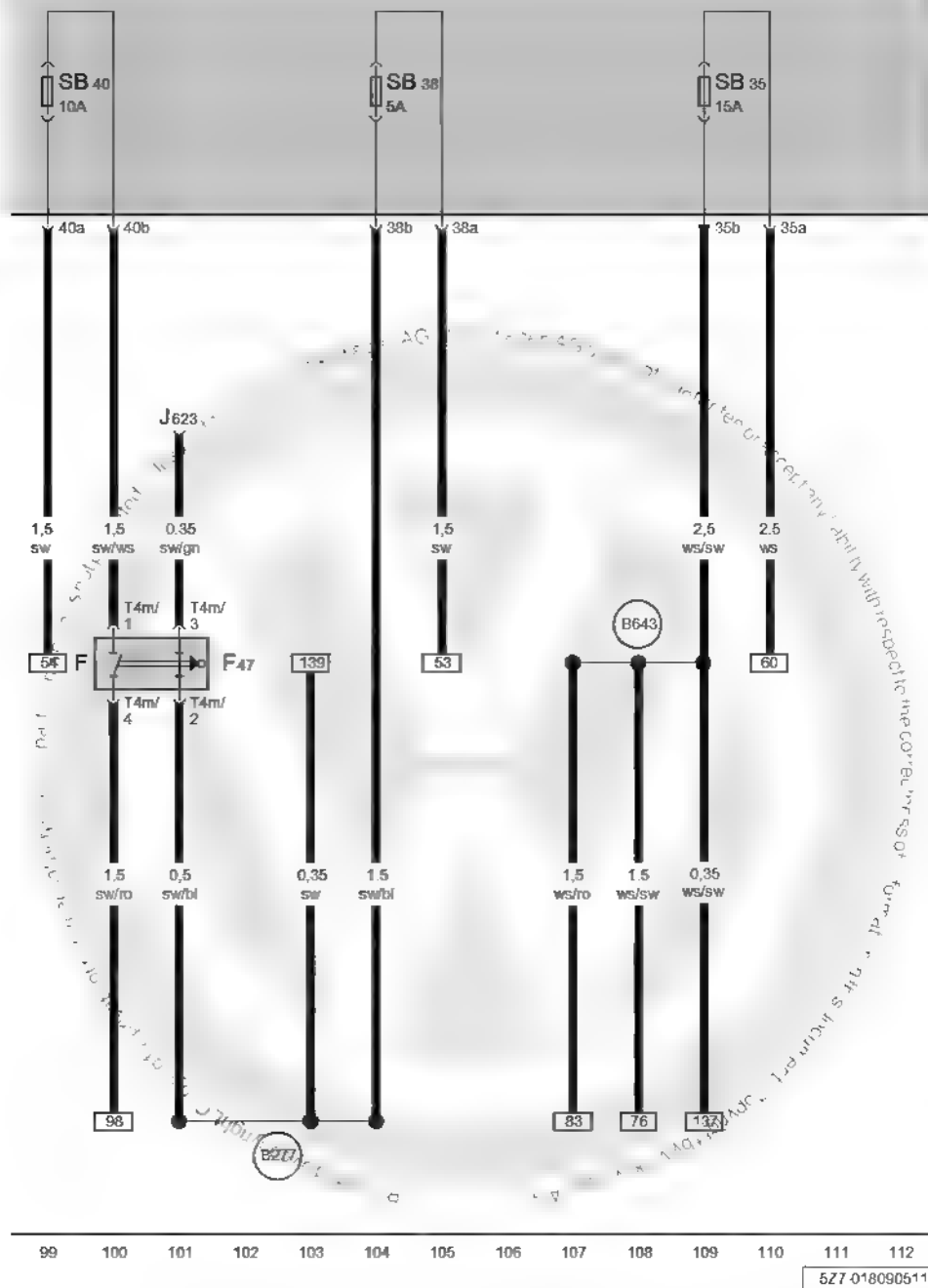
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Right tail light lamp Left tail light lamp Left tail light lamp Left rear indicator light lamp Right rear indicator light lamp Left brake light bulb Right brake light bulb Left reversing light lamp Right reversing light lamp Lamp for 'brakelight'

- M2 Right tail light lamp
- M4 Left tail light lamp
- M6 Left rear indicator light lamp
- M8 Right rear indicator light lamp
- M9 Left brake light bulb
- M10 Right brake light bulb
- M16 Left reversing light lamp
- M17 Right reversing light lamp
- M25 Lamp for 'brakelight'
- T2du Fitting connector 2pin on lamp for 'brakelight'
- T5b Fitting connector 5pin behind rear left side lining near the wheelhouse
- T5p Fitting connector 5pin for Right tail light
- T5q Fitting connector 5pin for left tail light

- 21 Earth point near fuel pump
- 50 Earth point on left luggage compartment
- 98 Earth connection on rear lid wiring harness
- 372 Earth connection 7 in main harness
- 50 Connection 1 54 on main harness
- B336 Connection 2 54 on main harness



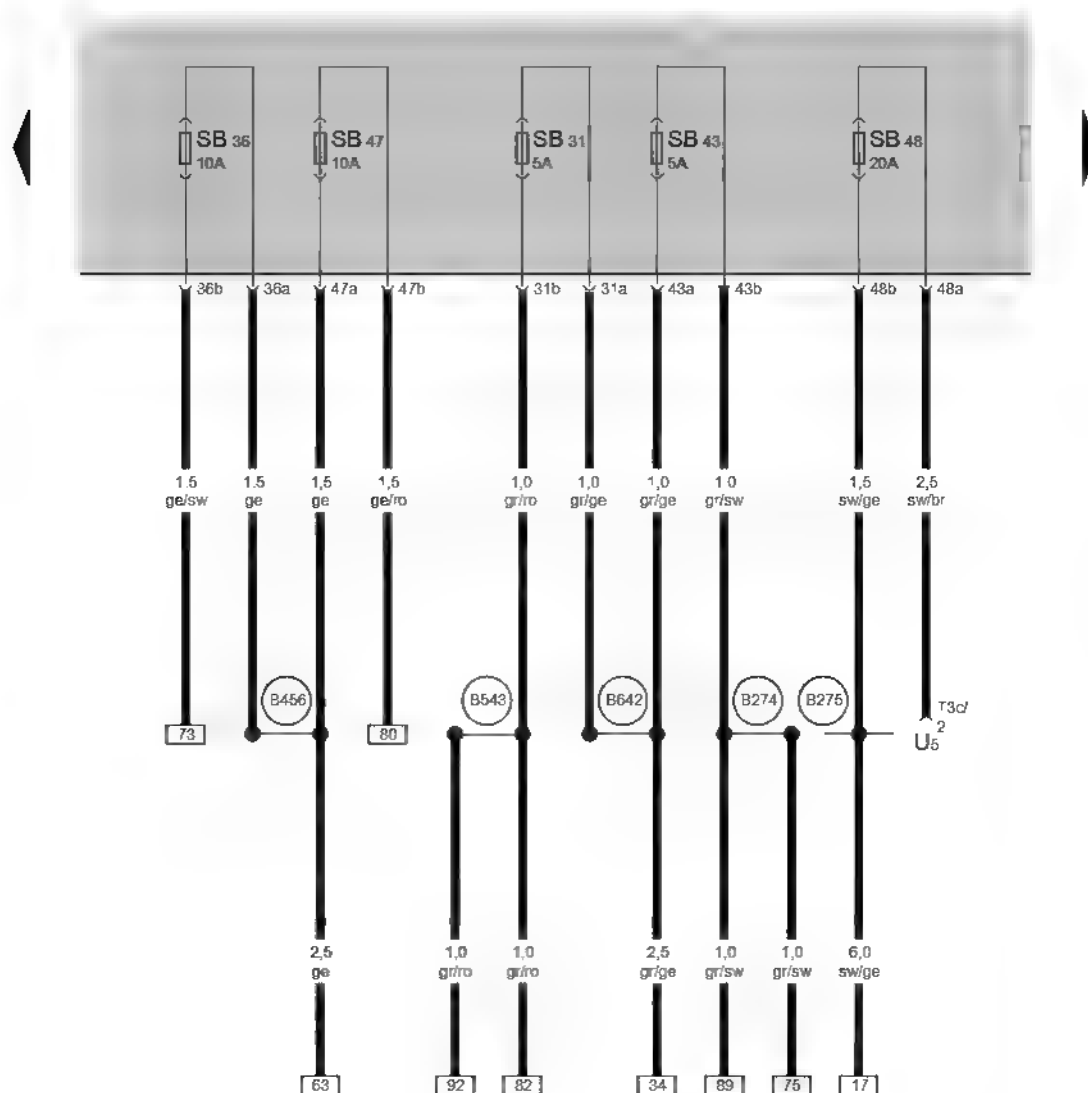
Brake light switch Brake pedal switch

- |      |  |
|------|--|
| F    | Brake light switch                           |
| F47  | Brake pedal switch                           |
| J623 | Engine control unit                          |
| SB35 | Fuse 35 on fuse holder B                     |
| SB38 | Fuse 38 on fuse holder B                     |
| SB40 | Fuse 40 on fuse holder B                     |
| T4m  | Fitting connector 4pin on brake pedal switch |

B277 Positive connection 1 15a on main harness

B643 Connection 2 56a on main harness

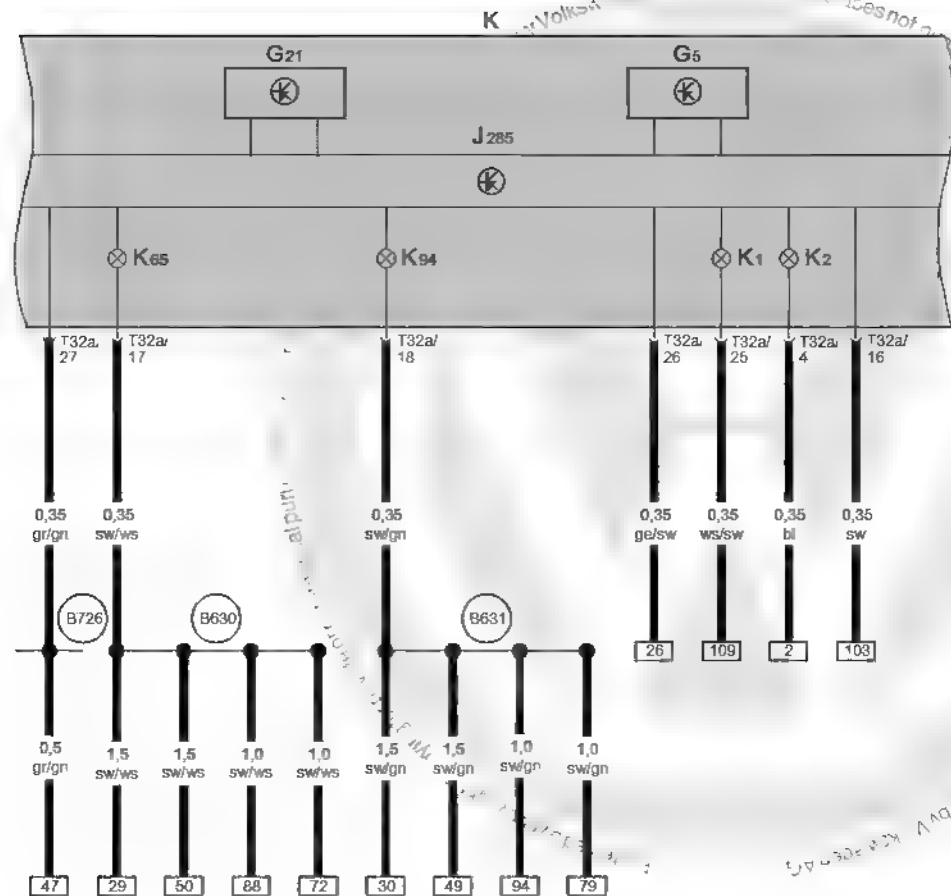
ws	white
sw	black
ro	red
br	brown
gn	green
bl	blue
gr	grey
li	purple
ge	yellow
or	orange
rs	pink



# Fuses

- U5 12volt socket
- SB31 Fuse 31 on fuse holder B
- SB36 Fuse 36 on fuse holder B
- SB43 Fuse 43 on fuse holder B
- SB47 Fuse 47 on fuse holder B
- SB48 Fuse 48 on fuse holder B
- T3c Fitting connector 3pin on 12volt socket
- B274 Positive connection 58L on main harness
- B275 Positive connection 87 on main harness
- B456 Connection 56 on main harness
- B543 Positive connection 58R on main harness
- B642 Positive connection 58 on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Tachometer Speedometer Control unit w indicator on the combined instrument Combined instrument High beam control light Alternator control light Left turn signal control light Right turn signal control light

- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- K1 High beam control light
- K2 Alternator control light
- K65 Left turn signal control light
- K94 Right turn signal control light
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

- (B630) Connection turn signal left on main harness
- 605 Earth point in upper steering column area
- 606 Earth point under the centre console near the selection lever

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

## Coming HomeLeaving Home with rain sensor

From March 2010

### Notes

For information about

◆ Location of relay and fuse

◆ Connectors

◆ Control units

◆ Earth points

→ See fitting locations

For information about

◆ Assisted fault pinpointing

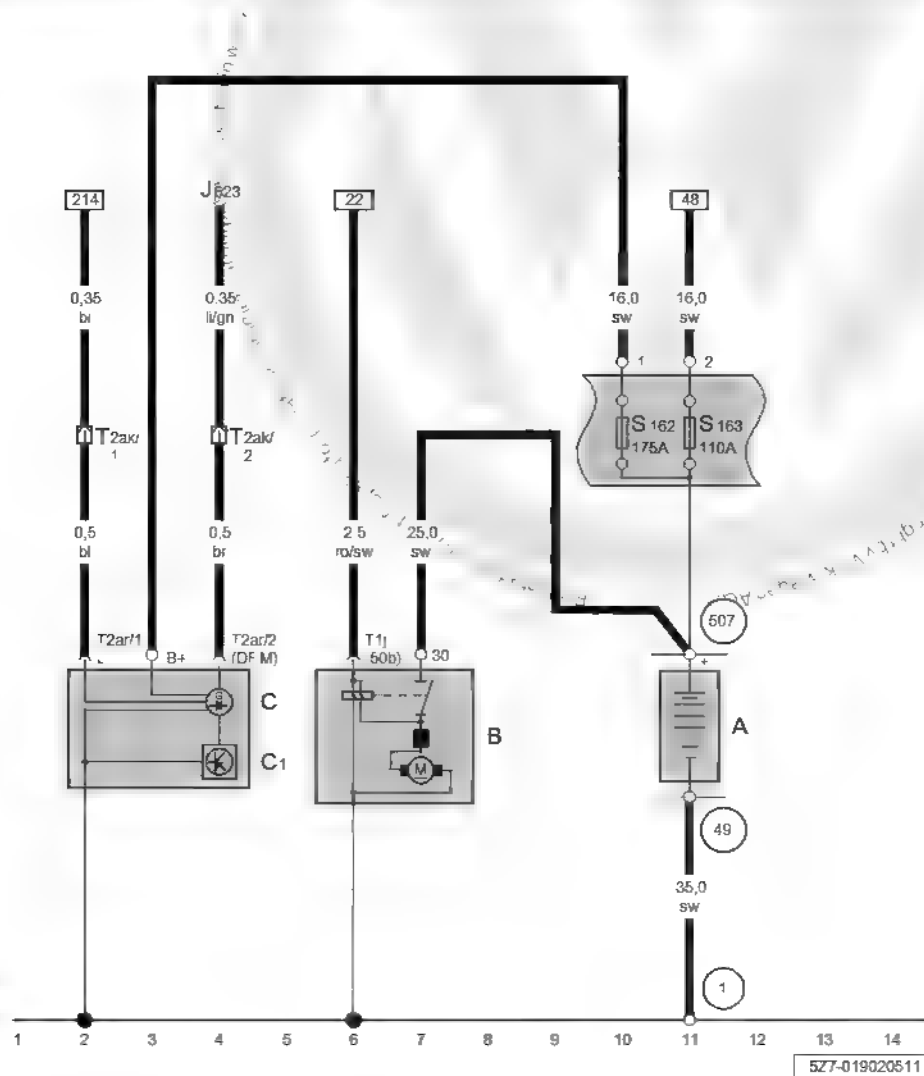
→ See Guided functions



Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator

- 1 ) Earth strap battery body
- 49 ) Earth point near the battery
- 507 ) Screw connection 30 battery fuse holder

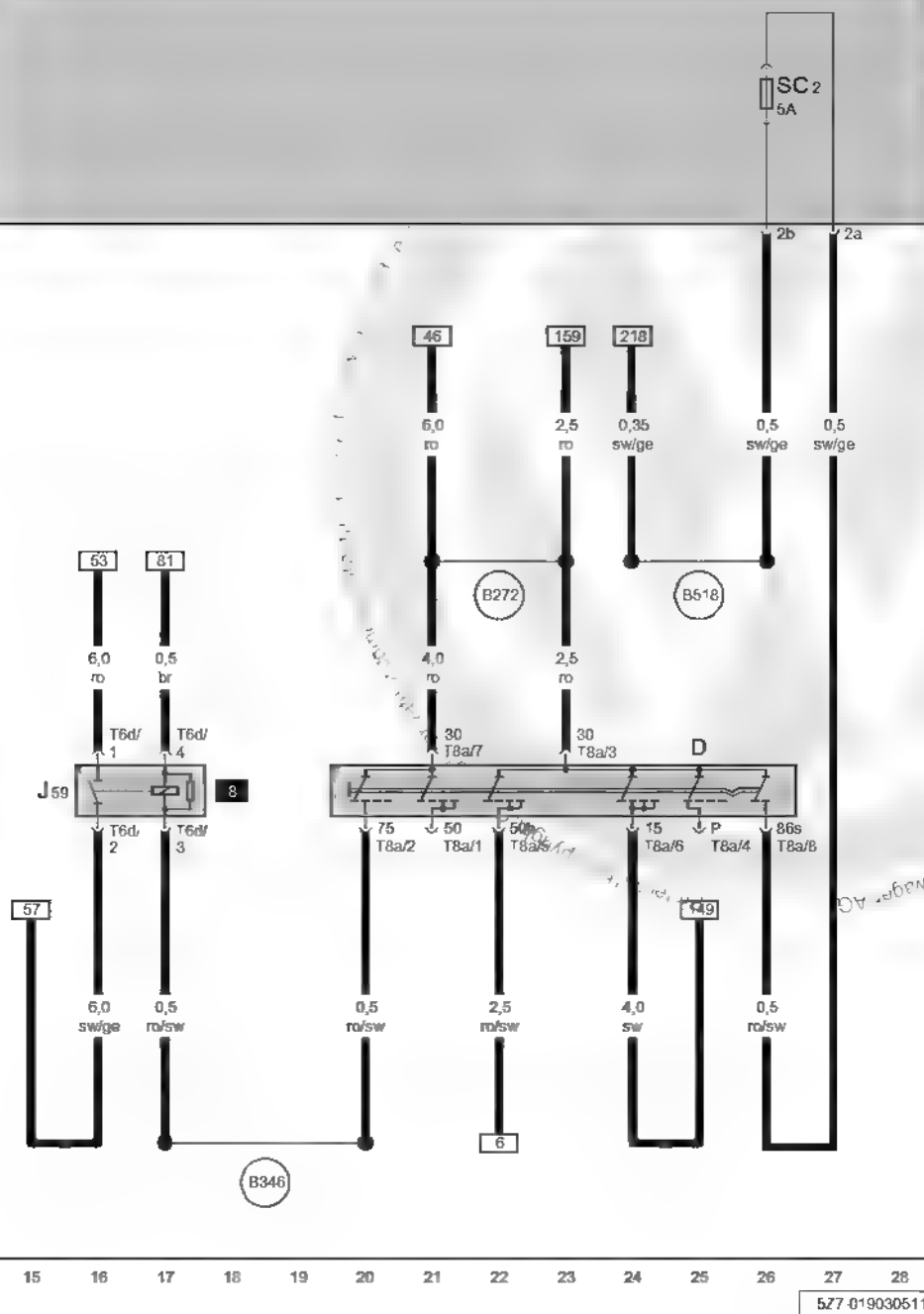




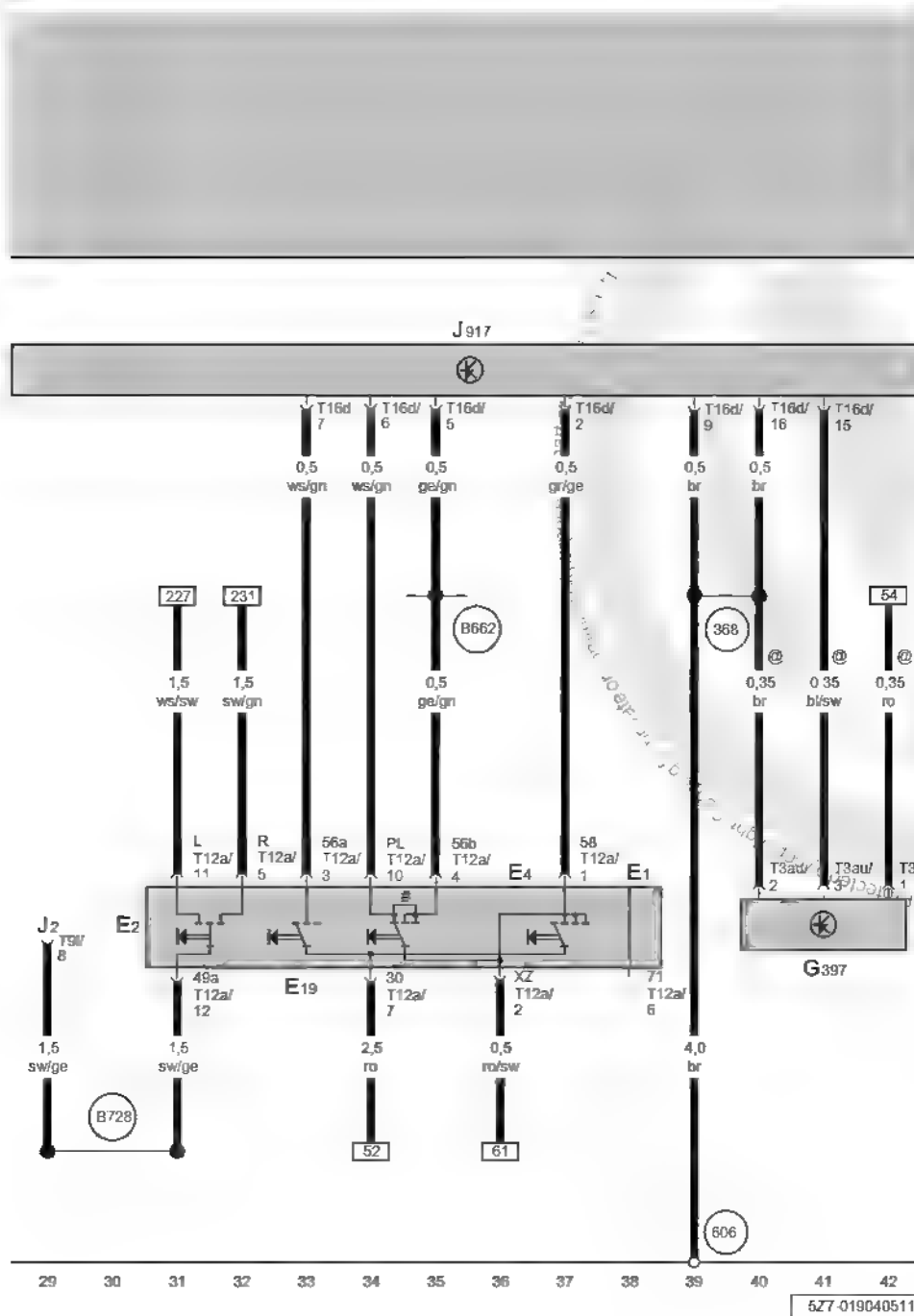
Ignition switch Xcontact relief relay

- D Ignition switch
- J59 Xcontact relief relay
- SC2 Fuse 2 on fuse holder C
- T6d Fitting connector 6pin in Xcontact relief relay
- T8a Fitting connector 8pin on ignition switch

- B272 Positive connection 30 on main harness
- B275 Positive connection 87 on main harness
- B346 Connection 1 75 on main harness
- B518 Connection 86s on main harness



527 019030511

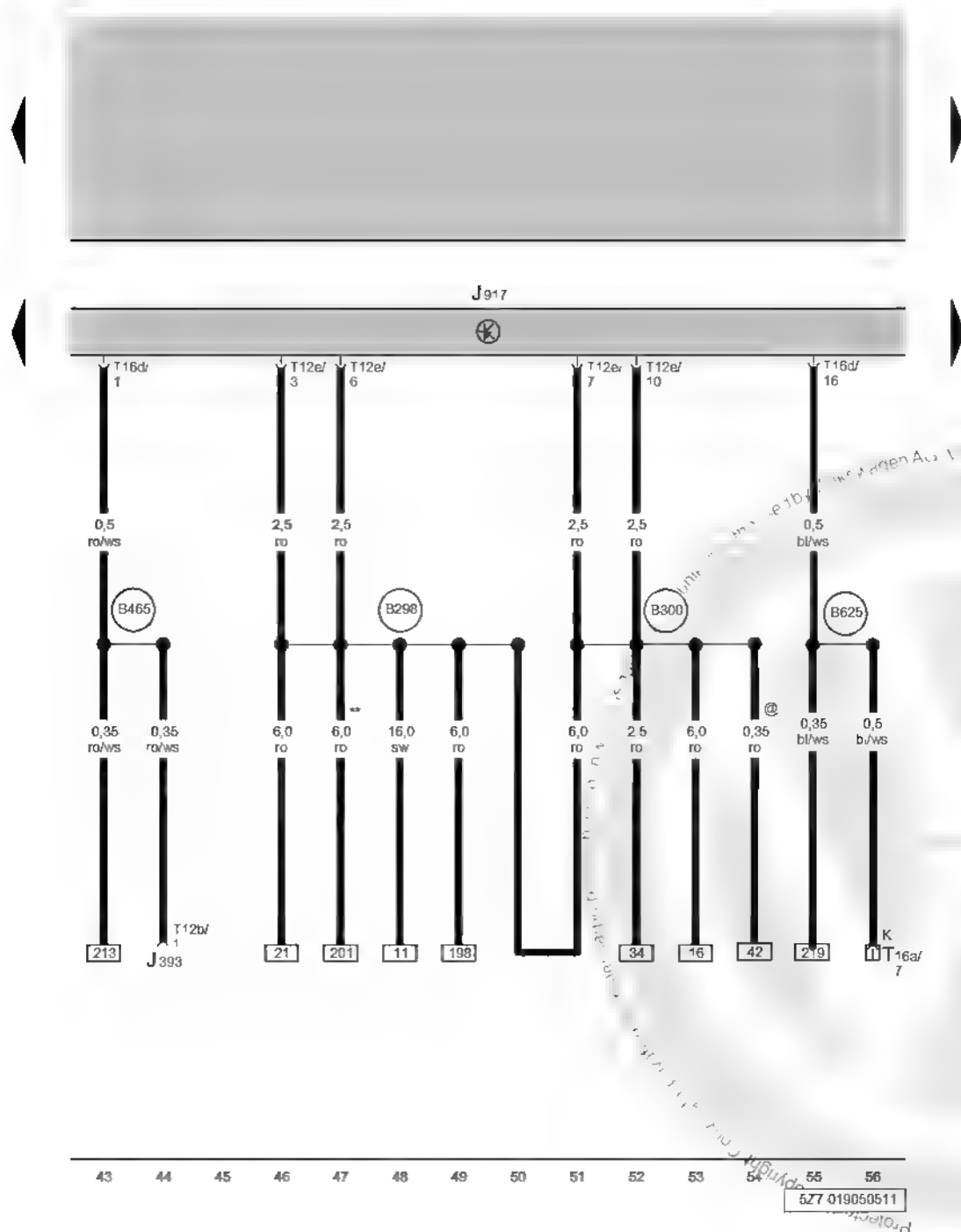


Light switch Flashing turn light switch Headlight dipper and flasher switch Parking light switch Rain and light sensor Control unit of lights with windshield wiper functions

- E1 Light switch
- E2 Flashing turn light switch
- E4 Headlight dipper and flasher switch
- E19 Parking light switch
- G397 Rain and light sensor
- J2 Hazard warning light relay
- J917 Control unit of lights with windshield wiper functions
- T3au Fitting connector 3pin on rain and light sensor
- T9/ Fitting connector 9pin on warning light relay
- T12a Fitting connector 12 poles in light switch
- T16d Fitting connector 16 poles on control unit of lights with windshield wiper functions

- (368) Earth connection 3 in main harness
- (606) Earth point under the centre console near the selection lever
- (B662) Connection 2 56b on main harness
- (B728) Connection 49a on main harness
- Only for vehicles with automatic antidazzle interior mirror

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



### Control unit for lighting and wiper functions

- |      |   |
|------|---|
| J393 | Central control unit for the convenience system   |
| J917 | Control unit for lighting and wiper functions   |
| T12b | Fitting connector 12 poles on central control unit for the convenience system                       |
| T12e | Fitting connector 12 poles on control unit of lights with windshield wiper functions                |
| T16a | Fitting connector 16 poles in diagnosis   |
| T16d | Fitting connector 16 poles on control unit of lights with windshield wiper functions selector lever |

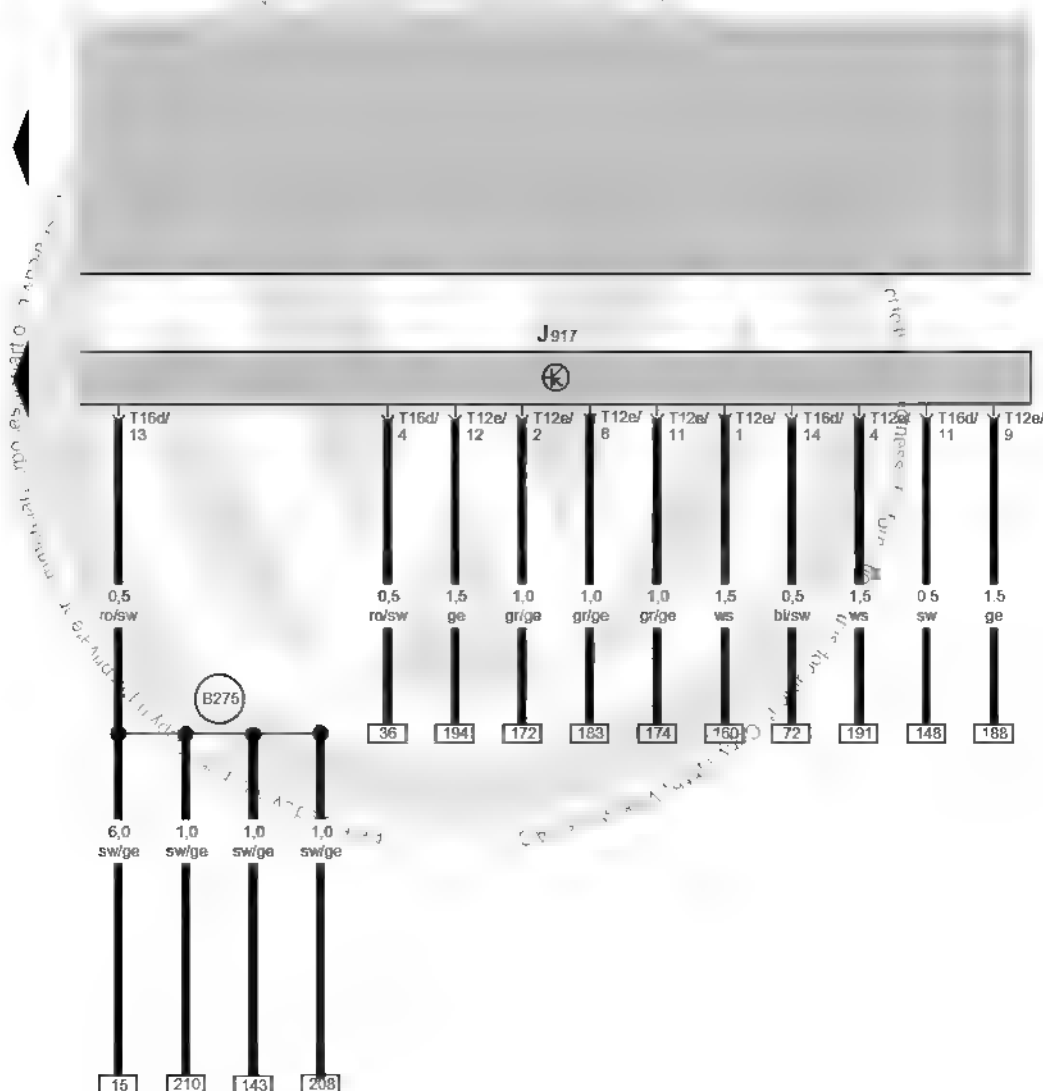
- B298 Positive connection 2 30 on main harness
- B300 Positive connection 4 30 on main harness
- B465 Connection 1 on main harness
- B625 Connection diagnostic cable K on main harness

Only for vehicles with central locking  
Only for vehicles with automatic antidazzle interior mirror

ws	white
sw	black
ro	red
br	brown
gn	green
bl	blue
gr	grey
li	purple
ge	yellow
or	orange
rs	pink

# Control unit of lights with windshield wiper functions

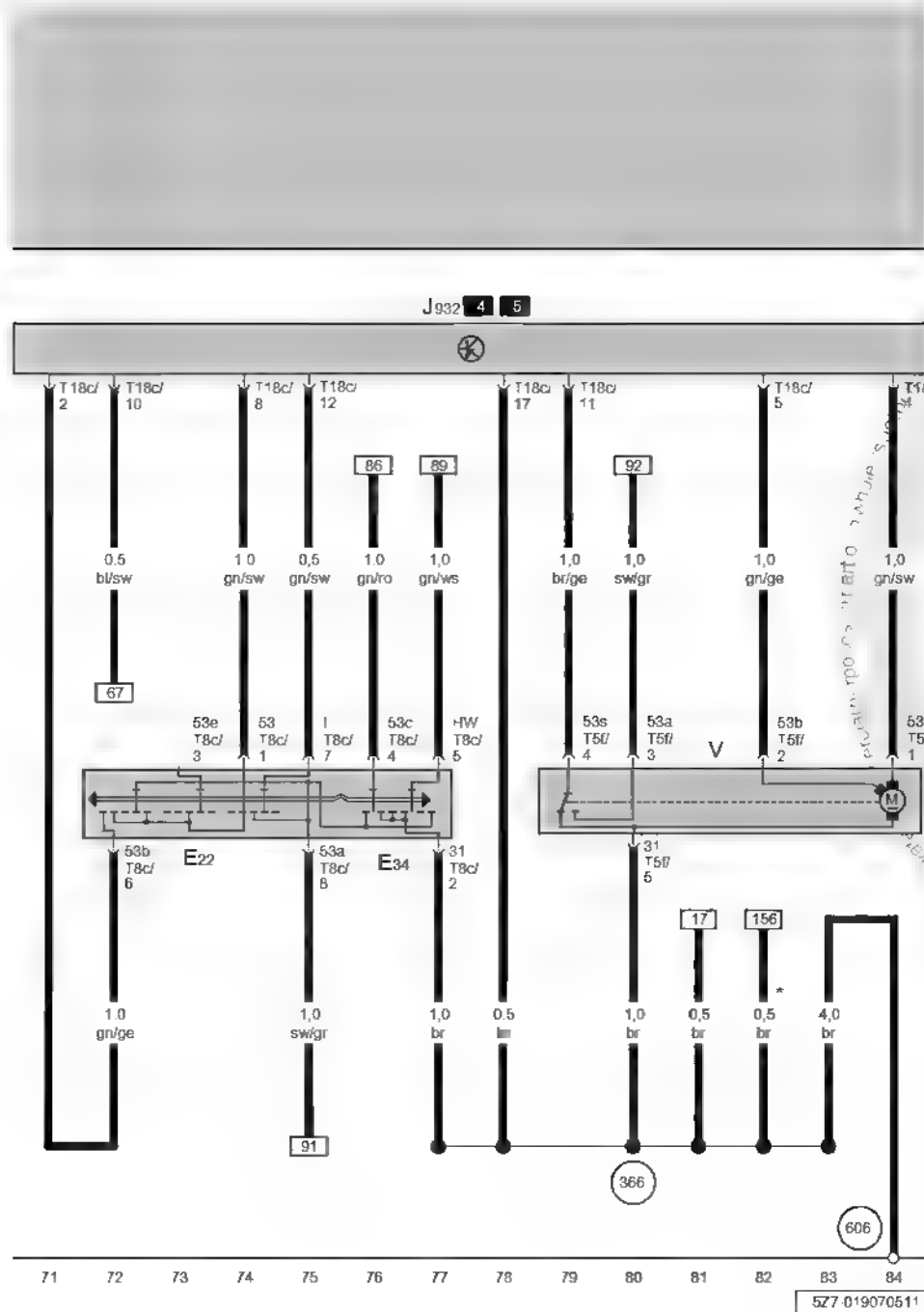
- J917 Control unit of lights with windshield wiper functions
- T12e Fitting connector 12 poles on control unit of lights with windshield wiper functions
- T16d Fitting connector 16 poles on control unit of lights with windshield wiper functions
- B275 Positive connection 87 on main harness
- & Until May 2011



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

57 58 59 60 61 62 63 64 65 66 67 68 69 70

527 019060511



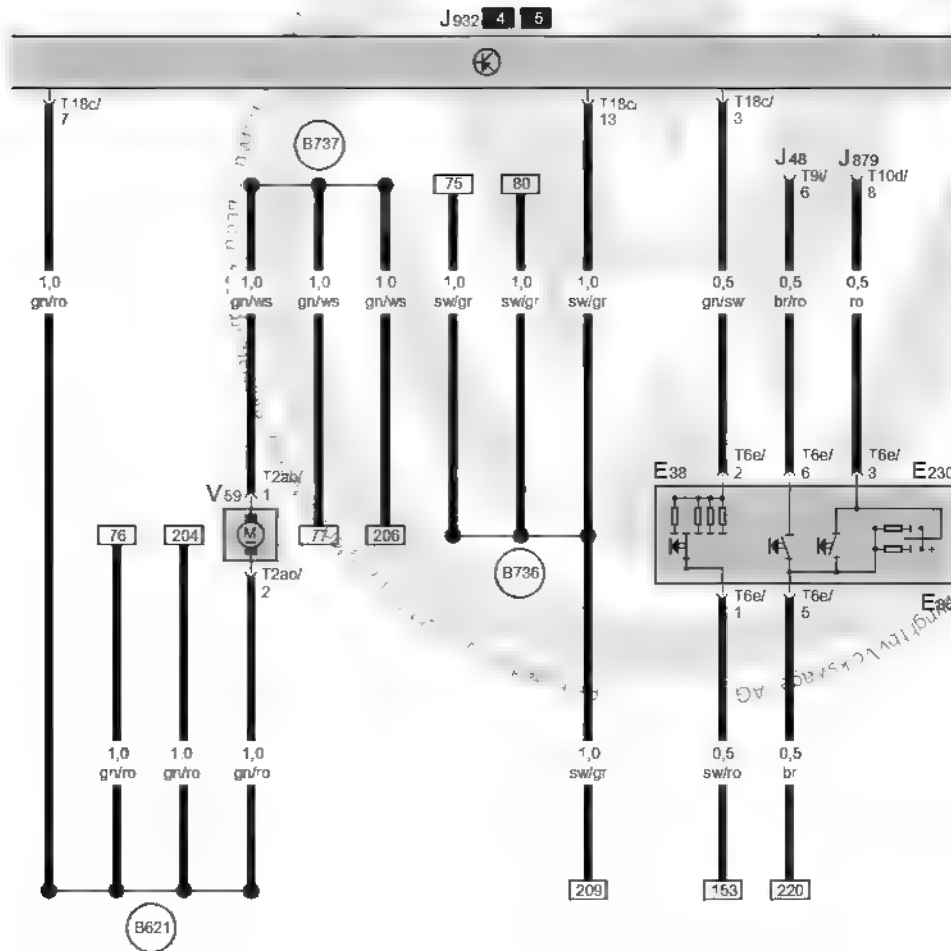
Windshield wiper timer switch intermittent operation Rear wiper switch Automatic intermittent washer and wipe control unit Windshield wiper motor

- E22 Windshield wiper timer switch intermittent operation
  - E34 Rear wiper switch
  - J932 Automatic intermittent wash and wipe control unit
  - T5f Fitting connector 5pin in windshield wiper motor
  - T8c Fitting connector 8pin on windshield wiper timer switch intermittent operation
  - T18c Fitting connector 18 poles on automatic intermittent washer and wiper control unit
  - V Windshield wiper motor
  - 366 Earth connection 1 in main harness
  - 606 Earth point under the centre console near the selection lever
- Only for CROSS vehicles

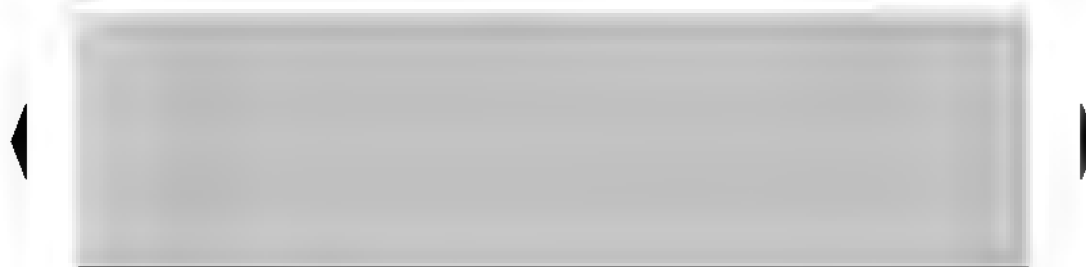
ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

Intermittent wiper regulator Multifunction display callup button Heater rear window switch Automatic intermittent wash and wipe control unit Windshield and rear window washer pump

- E38 Intermittent wiper regulator
- E86 Multifunction display callup button
- E230 Heater rear window switch
- J48 Heater rear window control relay
- J879 Control unit for interactive system
- J932 Automatic intermittent wash and wipe control unit
- T2ao Fitting connector 2pin in windshield and rear window washer pump
- T6e Fitting connector 6pin on heated rear window switch
- T9i Fitting connector 9pin on heated rear window control relay
- T10d Fitting connector 10 poles on control unit for interactive system
- T18c Fitting connector 18 poles on automatic intermittent washer and wiper control unit
- V59 Windshield and rear window washer pump
- B621 Connection 1 53c on main harness
- B736 Positive connection 53a on main harness
- B737 Connection 2 53c on main harness



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Left headlight twin filament bulb Right headlight twin filament bulb Left front side light lamp Right front side light lamp Left front indicator light lamp Right front indicator light lamp

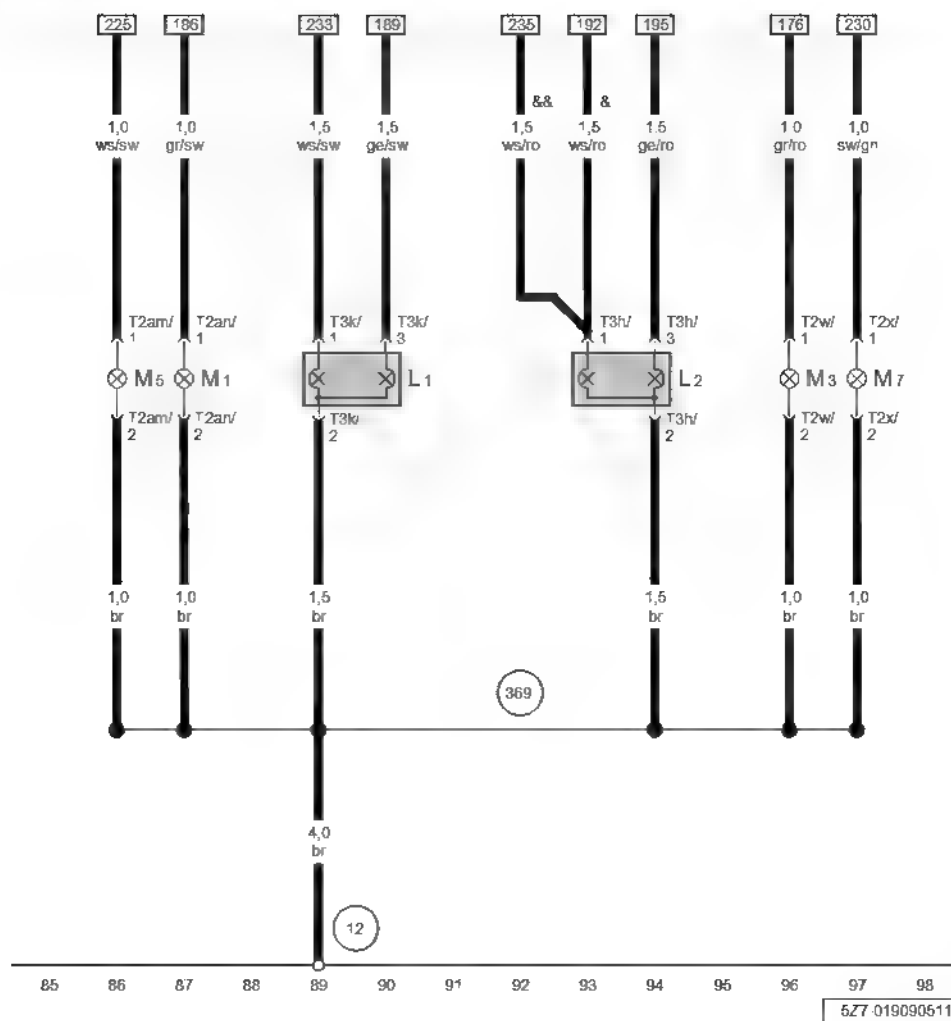
- L1 Left headlight twin filament bulb
- L2 Right headlight twin filament bulb
- M1 Left front sidelight lamp
- M3 Right front sidelight lamp
- M5 Left front indicator light lamp
- M7 Right front indicator light lamp
- T3h Fitting connector 3pin on right headlight twin filament bulb
- T3k Fitting connector 3pin on left headlight twin filament bulb
- T2x Fitting connector 2pin in right front indicator light lamp
- T2w Fitting connector 2pin in right front side light lamp
- T2am Fitting connector 2pin in left front indicator light lamp
- T2an Fitting connector 2pin in left front sidelight lamp

12 Earth point in engine compartment left

369 Earth connection 4 in main harness

& Until May 2011

&& From May 2011



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

Left front side light lamp Right front side light lamp Left front indicator light lamp Right front indicator light lamp Left low beam lamp Left high beam lamp Right low beam lamp Right high beam lamp

- M1 Left front sidelight lamp
- M3 Right front sidelight lamp
- M5 Left front indicator light lamp
- M7 Right front indicator light lamp
- M29 Left low beam lamp
- M30 Left high beam lamp
- M31 Right low beam lamp
- M32 Right high beam lamp
- T10a Fitting connector 10 poles in right front indicator light lamp
- T10b Fitting connector 10 poles in left front indicator light lamp

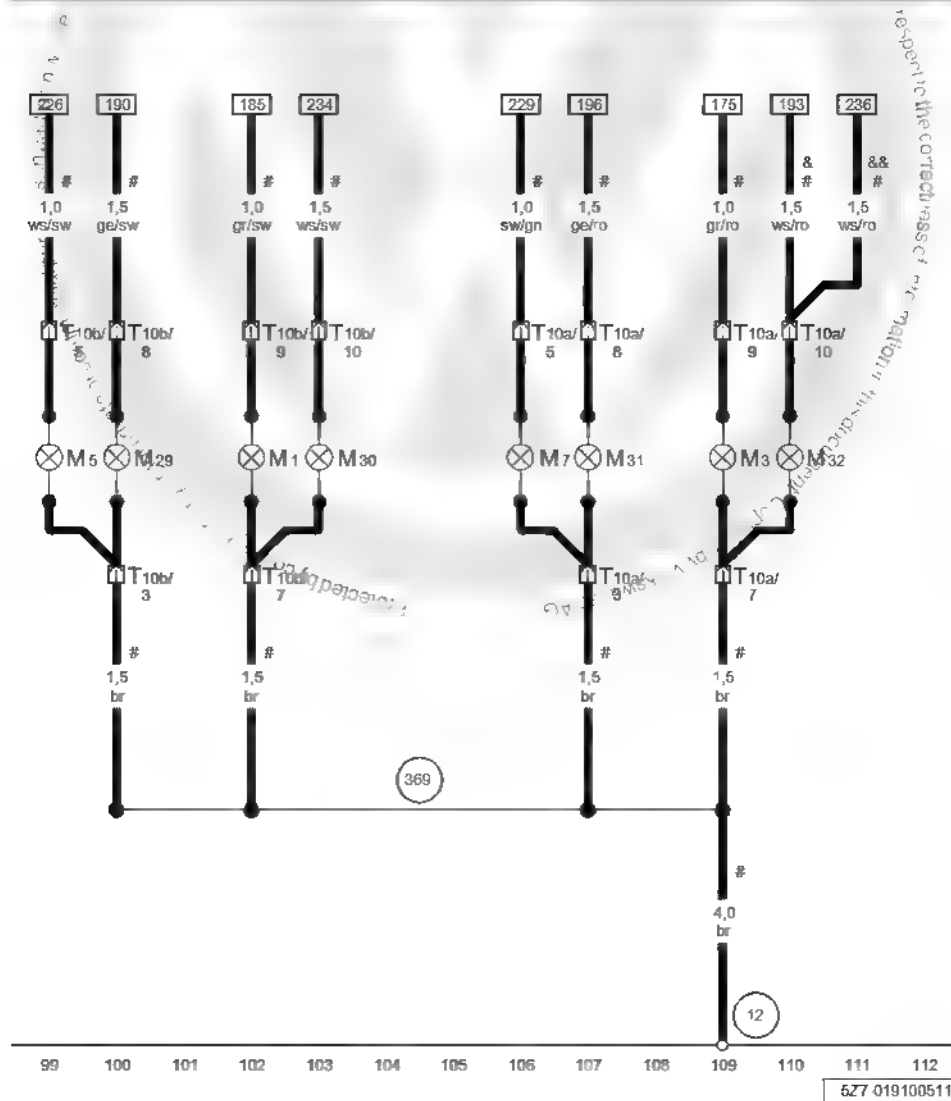
(12) Earth point in engine compartment left

(369) Earth connection 4 in main harness

Only for vehicles with twin headlights

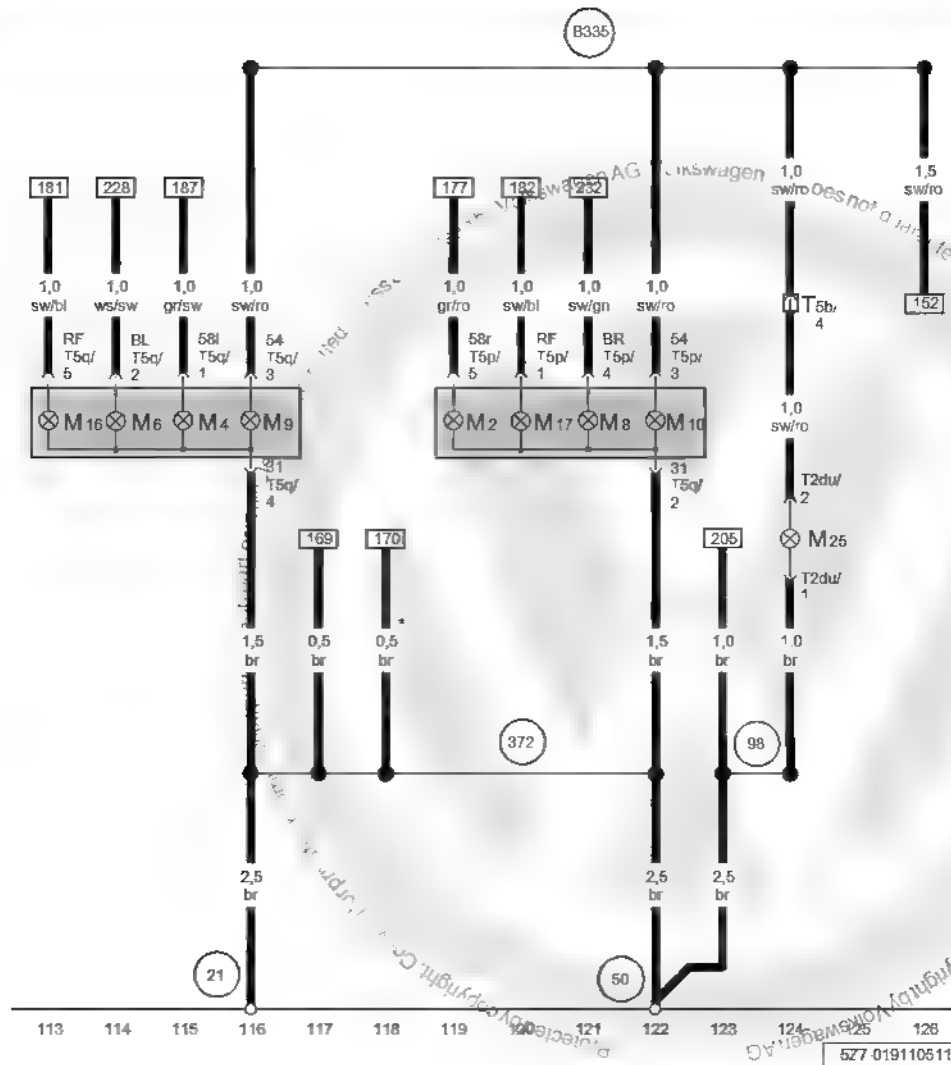
& Until May 2011

&& From May 2011



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink





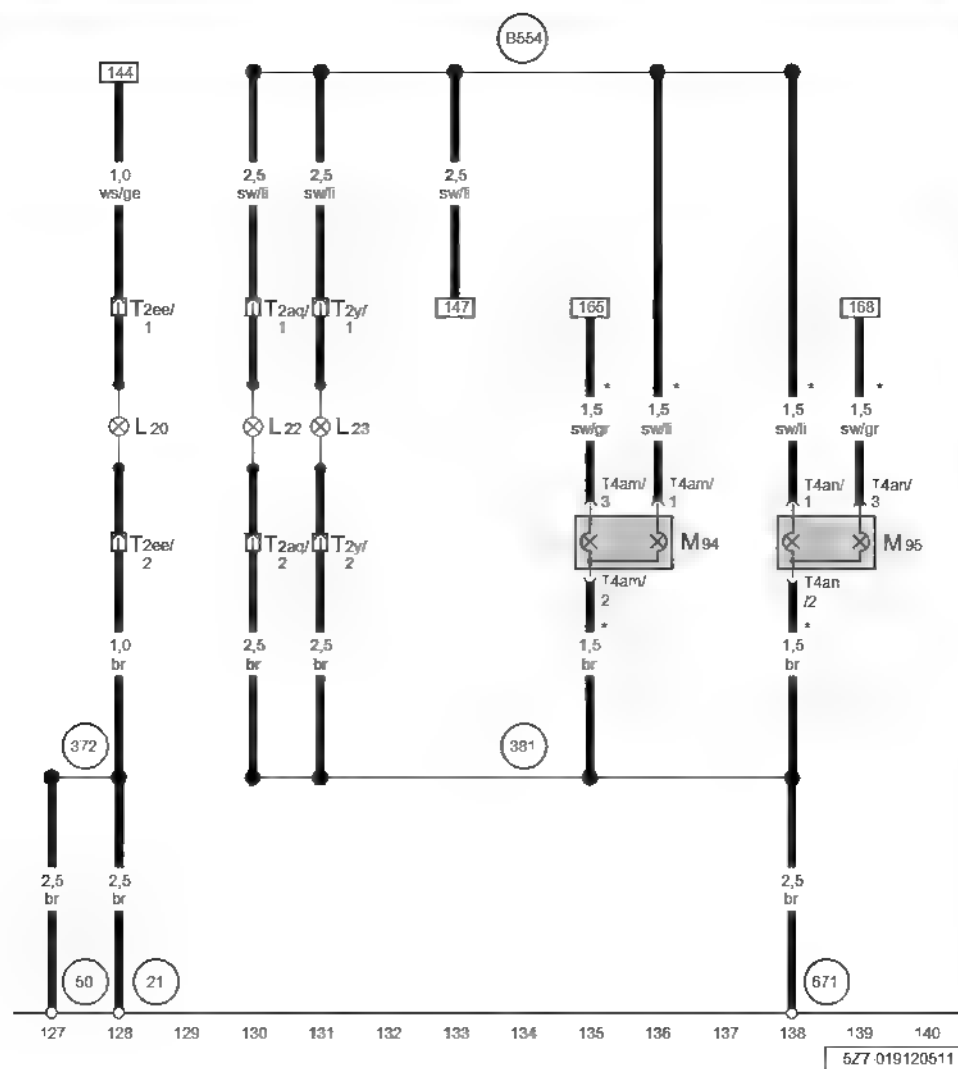
Reversing light switch Left fog light lamp Right fog light lamp

- M2 Right tail light lamp
- M4 Left tail light lamp
- M6 Left rear indicator light lamp
- M8 Right rear indicator light lamp
- M9 Left brake light bulb
- M10 Right brake light bulb
- M16 Left reversing light lamp
- M17 Right reversing light lamp
- M25 Lamp for 'brakelight'
- T2du Fitting connector 2pin on lamp for 'brakelight'
- T5b Fitting connector 5pin behind rear left side lining near the wheelhouse
- T5p Fitting connector 5pin for Right tail light
- T5q Fitting connector 5pin for left tail light

- 21 Earth point near fuel pump
- 50 Earth point on left luggage compartment
- 98 Earth connection on rear lid wiring harness
- 372 Earth connection 7 in main harness
- B335 Connection 1 54 on main harness

Only for CROSS vehicles

white  
black  
red  
brown  
green  
blue  
grey  
purple  
yellow  
orange  
pink

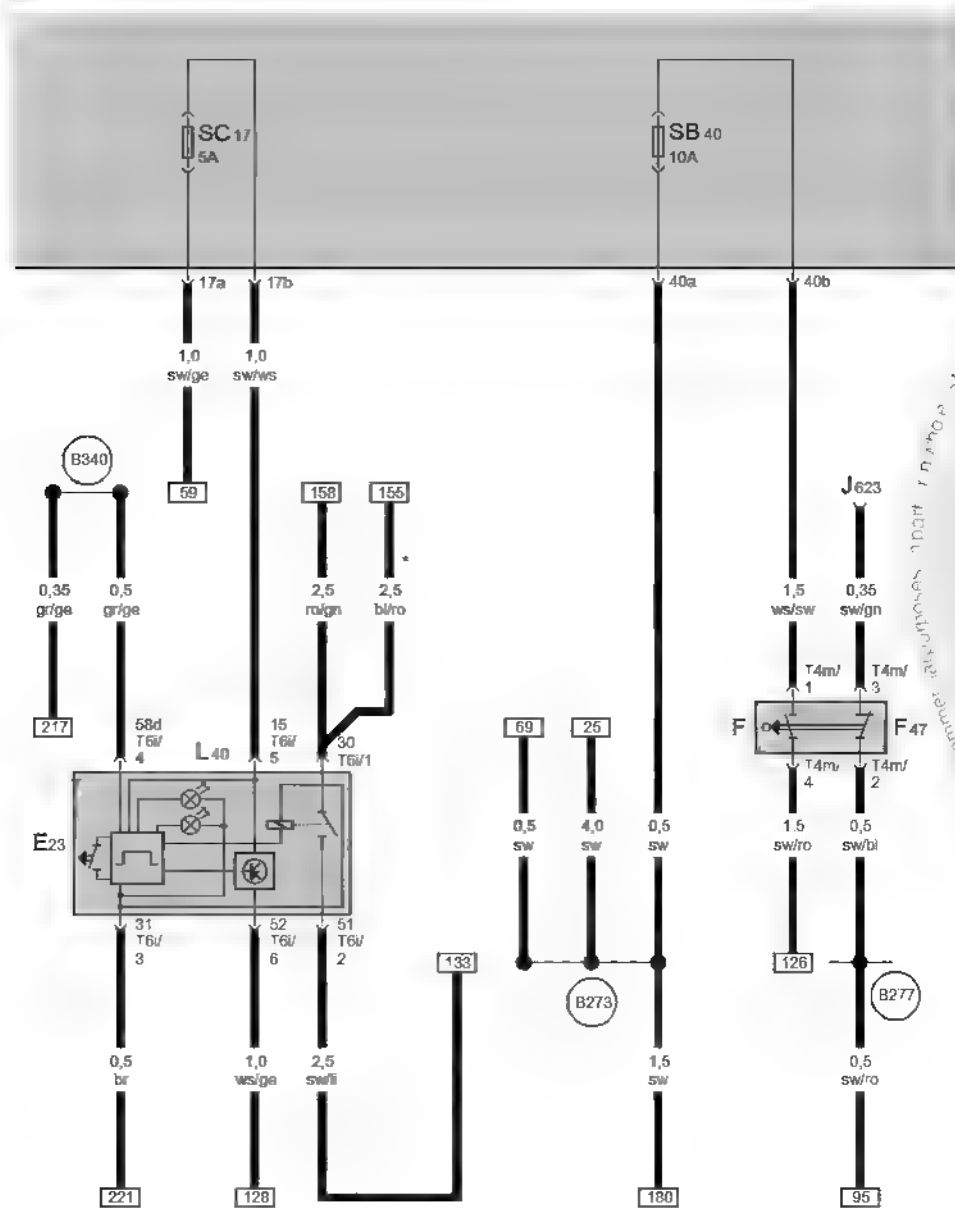


Rear fog light bulb Left fog light lamp Right fog light lamp  
Left main beam headlight and fog light bulb Right main beam  
headlight and fog light bulb

- L20 Rear fog light bulb
- L22 Left fog light lamp
- L23 Right fog light lamp
- M94 Left main beam headlight and fog light bulb
- M95 Right main beam headlight and fog light bulb
- T2y Fitting connector 2pin in right fog light lamp
- T2aq Fitting connector 2pin in left fog light lamp
- T2ee Fitting connector 2pin in Rear fog light lamp
- T4am Fitting connector 4pin on left main beam headlight and fog light bulb
- T4an Fitting connector 4pin on right main beam headlight and fog light bulb

- 21 Earth point near fuel pump
- 50 Earth point on left luggage compartment
- 372 Earth connection 7 in main harness
- 381 Earth connection 16 in main harness
- 671 Earth point 1 on left front longitudinal member
- B554 Connection fog light on main harness
- Only for CROSS vehicles

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



Automatic intermittent washer and wiper relay  
Automatic intermittent washer and wiper control unit  
Windshield wiper motor

- E23 Front and rear fog light switch
- F Brake light switch
- F47 Brake pedal switch
- J623 Engine control unit
- L40 Front and rear fog light switch illumination bulb
- SB40 Fuse 40 on fuse holder B
- SC17 Fuse 17 on fuse holder C
- T4m Fitting connector 4pin on brake pedal switch
- T6i Fitting connector 6pin in front and rear fog light switch

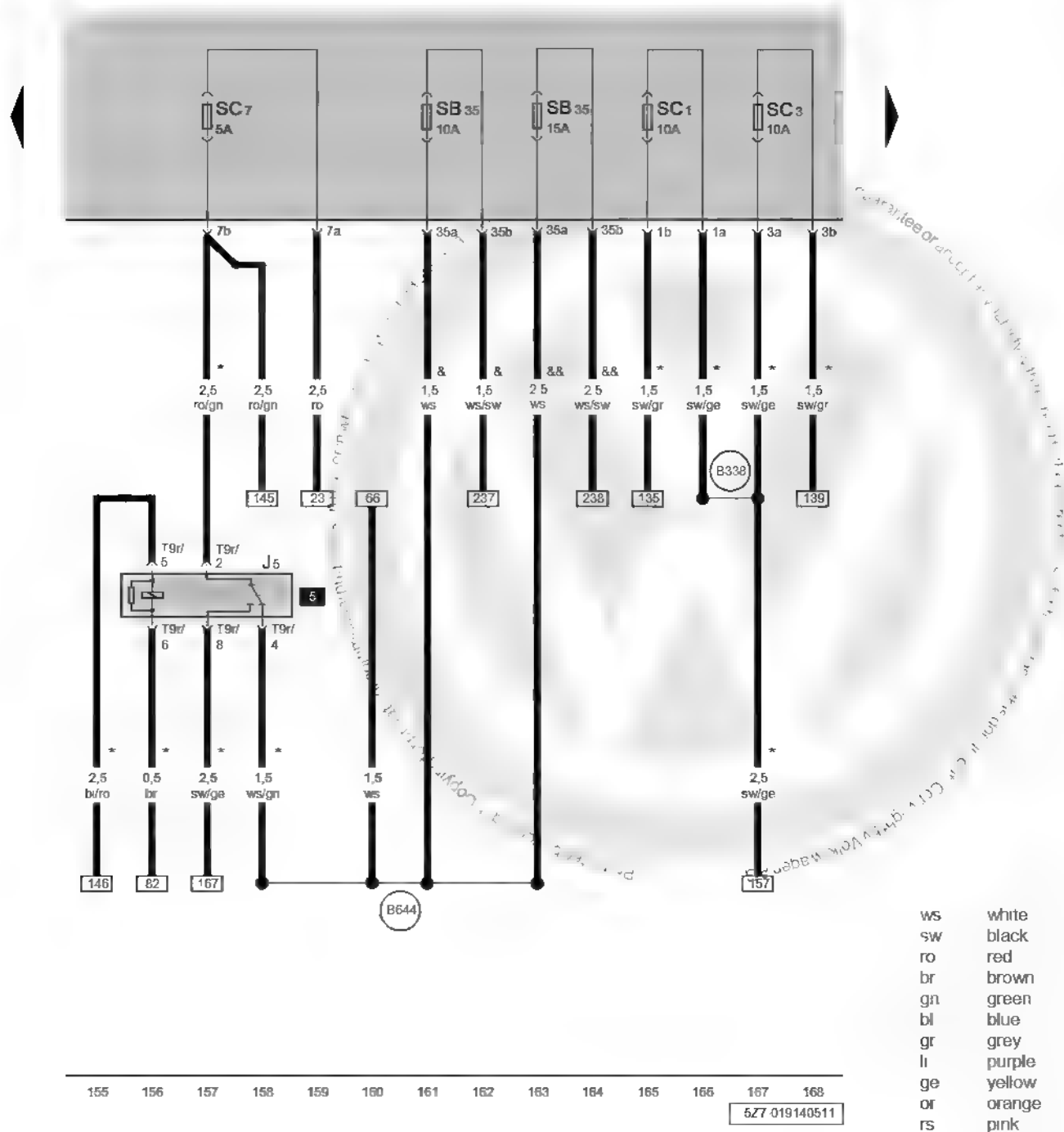
B273 Positive connection 15 on main harness

B277 Positive connection 1 15a on main harness

B340 Connection 1 58d on main harness

Only for CROSS vehicles

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



# Fog light relay

- J5 Fog light relay
- SB35 Fuse 35 on fuse holder B
- SC1 Fuse 1 on fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- T9r Fitting connector 9pin in fog light relay

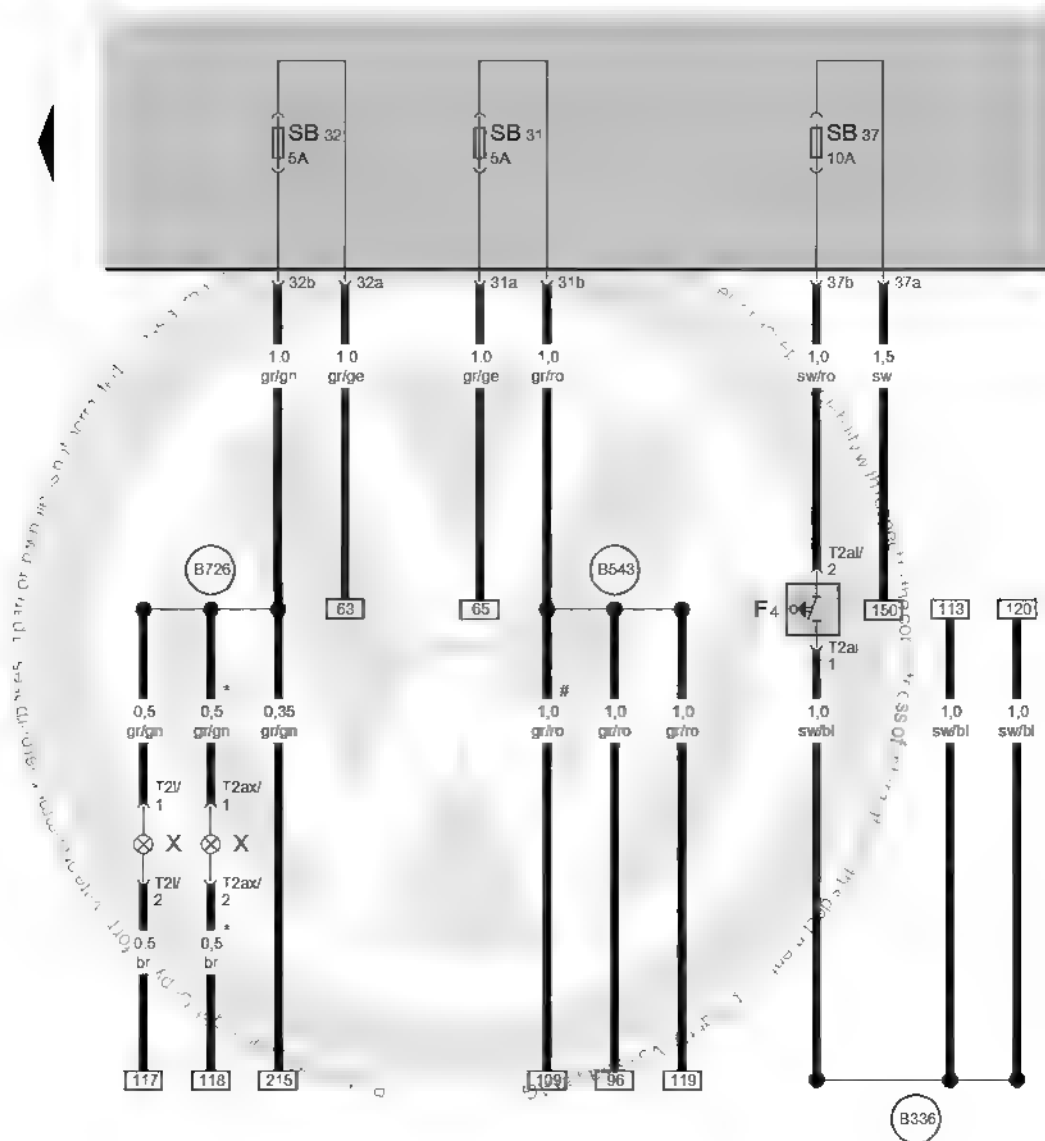
B338 Connection 1 56 on main harness

B644 Connection 3 56a on main harness

Only for CROSS vehicles

& Until May 2011

&& From May 2011



# Reversing light switch License plate light

- F4 Reversing light switch
- SB31 Fuse 31 on fuse holder B
- SB32 Fuse 32 on fuse holder B
- SB37 Fuse 37 on fuse holder B
- T2l Fitting connector 2pin in license plate light
- T2al Fitting connector 2pin on reversing light switch
- T2ax Fitting connector 2pin in license plate light
- X License plate light

B336 Connection 2 54 on main harness

B543 Positive connection 58R on main harness

B726 Positive connection 2 58 on main harness

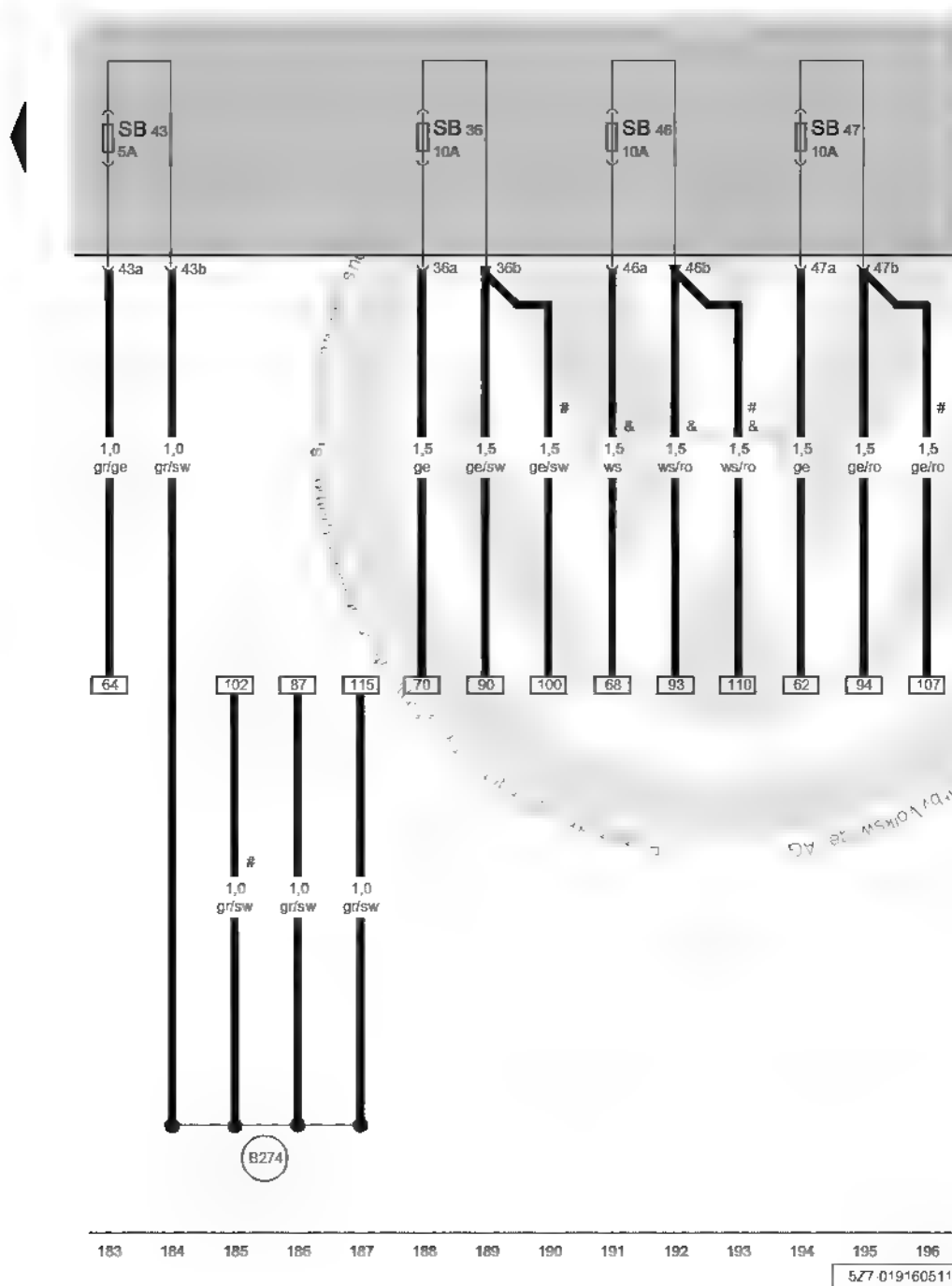
Only for vehicles with twin headlights

Only for CROSS vehicles

169 170 171 172 173 174 175 176 177 178 179 180 181 182

527 019150511

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



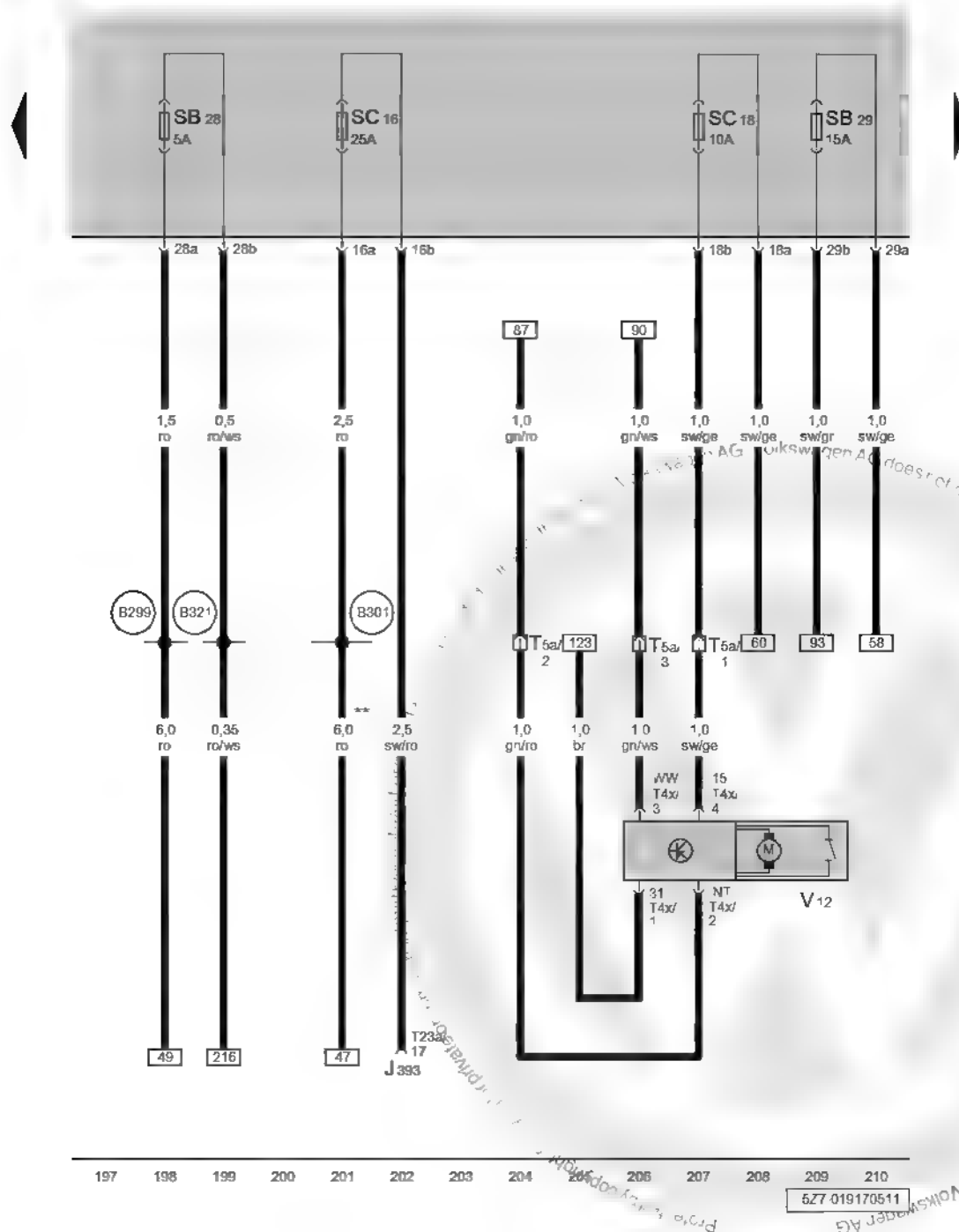
## Fuses

- SB36 Fuse 36 on fuse holder B
- SB43 Fuse 43 on fuse holder B
- SB46 Fuse 46 on fuse holder B
- SB47 Fuse 47 on fuse holder B

B274 Positive connection 58L on main harness

& Until May 2011  
Twin headlights vehicles only

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink



# Rear window wiper motor

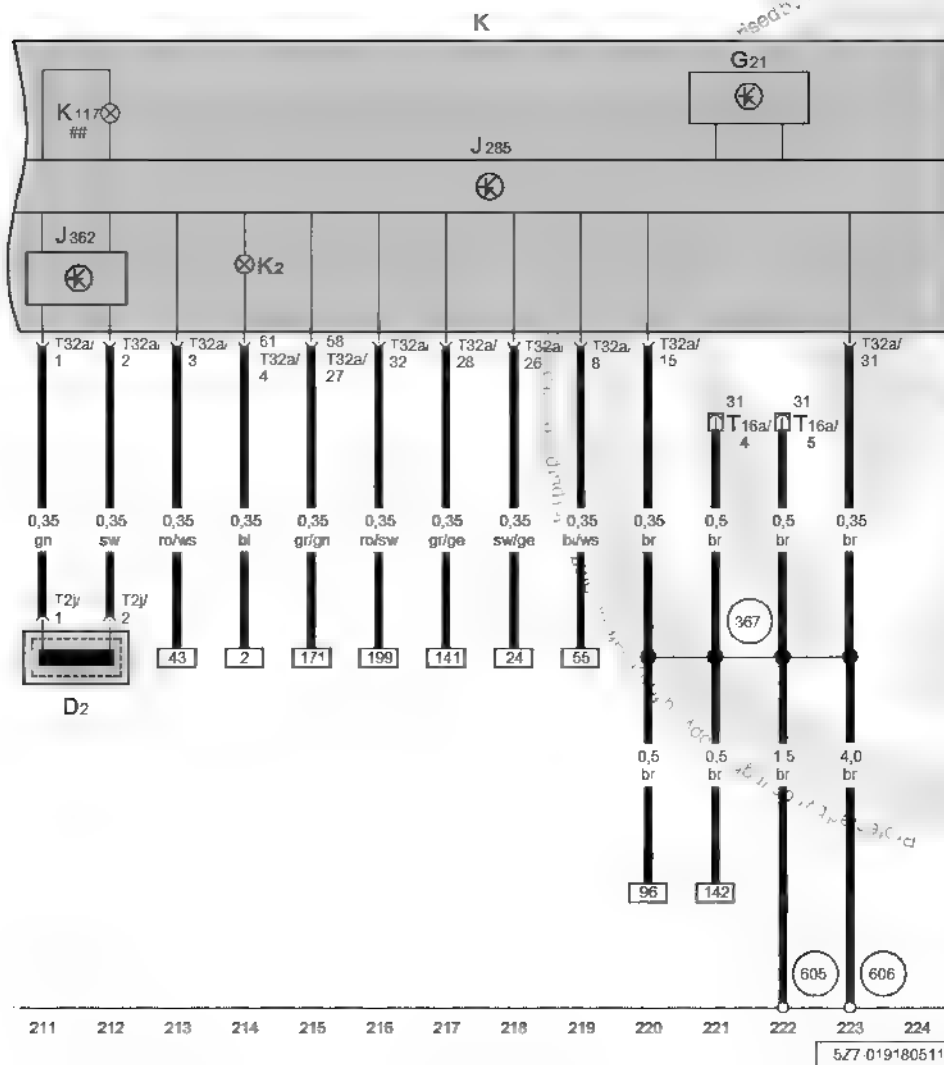
- J393 Central control unit for the convenience system
  - SC16 Fuse 16 on fuse holder C
  - SC18 Fuse 18 on fuse holder C
  - SB28 Fuse 28 on fuse holder B
  - SB29 Fuse 29 on fuse holder B
  - T4x Fitting connector 4pin on rear window wiper motor
  - T5a Fitting connector 5pin behind rear left side lining near the wheelhouse
  - T23a Fitting connector 23 poles on central control unit for the convenience system
  - V12 Rear window wiper motor
  - B299 Positive connection 3 30 on main harness
  - B301 Positive connection 5 30 on main harness
  - B321 Positive connection 7 30a on main harness
- Only for vehicles with central locking

Immobilizer reading coil Speedometer Control unit w indicator on the combined instrument Immobilizer control unit Combined instrument Alternator control light Immobilizer warning lamp

- D2 Immobilizer reading coil
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- J362 Immobilizer control unit
- K Combined instrument
- K2 Alternator control light
- K117 Immobilizer control light
- T2 Fitting connector 2pin in Immobilizer reading coil
- T16a Fitting connector 16 poles in diagnosis
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

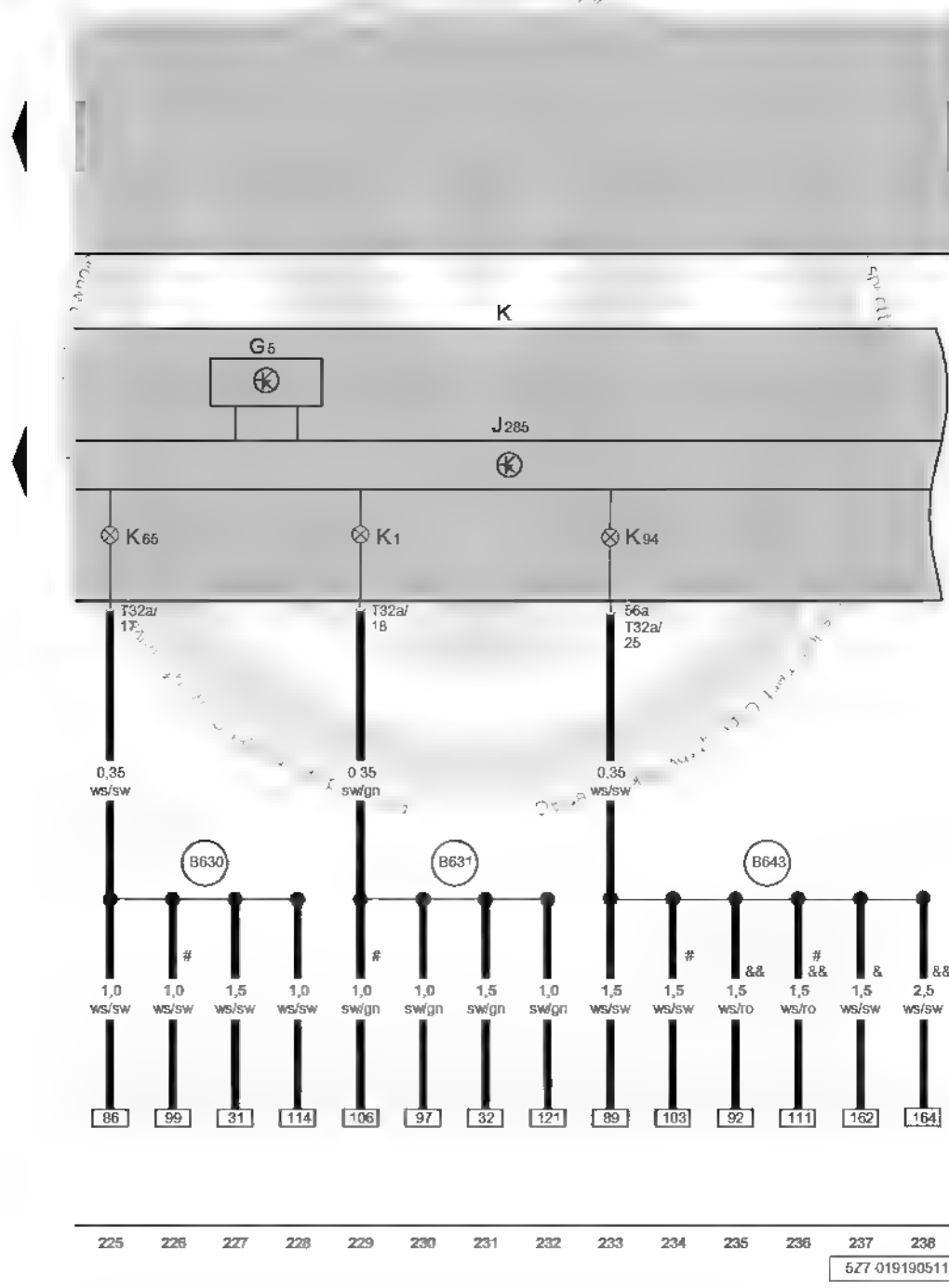
- 367 Earth connection 2 in main harness
- 605 Earth connection 4 in main harness
- 606 Earth point under the centre console near the selection lever

Until December 2010



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink





Tachometer Control unit w indicator on the combined instrument  
 Combined instrument High beam control light Left turn signal  
 control light Right turn signal control light

- G5 Tachometer
- J285 Control unit w indicator on the combined instrument
- K Combined instrument
- K1 High beam control light
- K65 Left turn signal control light
- K94 Right turn signal control light
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

(B630) Connection turn signal left on main harness

(B631) Connection turn signal right on main harness

(B643) Connection 2 56a on main harness

Only for vehicles with twin headlights

& Until May 2011

&& From May 2011

## Air conditioning Valeo Control Unit

From May 2011

### Notes

For information about

- ◆ Location of relay and fuse

- ◆ Connectors

- ◆ Control units

- ◆ Earth points

- See fitting locations

For information about

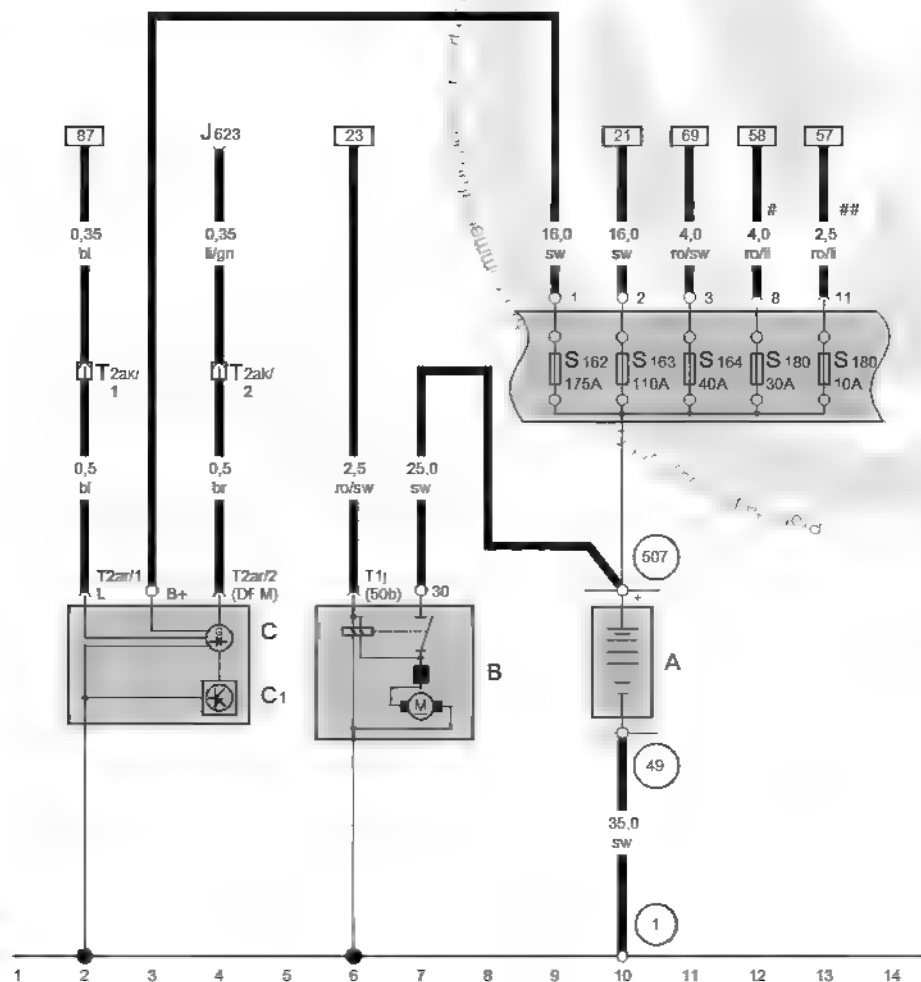
- ◆ Assisted fault pinpointing

- See Guided functions



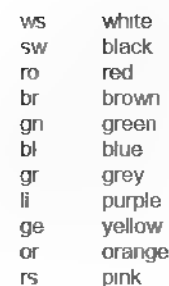
Battery Starter Generator Alternator Voltage regulator

- A Battery
- B Starter
- C Generator Alternator
- C1 Voltage regulator
- J623 Engine control unit
- S162 Fuse 1 30 in battery fuse holder
- S163 Fuse 2 30 in battery fuse holder
- S164 Fuse 3 30 in battery fuse holder
- S180 Fuse 8 30 in battery fuse holder
- T1j Fitting connector single on starter
- T2ak Fitting connector 2pin on engine compartment
- T2ar Fitting connector 2pin on generator alternator
- ( 1 ) Earth strap battery body
- ( 49 ) Earth point near the battery
- ( 507 ) Screw connection 30 battery fuse holder



ws white  
 sw black  
 ro red  
 br brown  
 gn green  
 bl blue  
 gr grey  
 li purple  
 ge yellow  
 or orange  
 rs pink

527 020020511



D	Ignition switch
J59	Xcontact relief relay
SC2	Fuse 2 on fuse holder C
T6d	Fitting connector 6pin in Xcontact relief relay
T8a	Fitting connector 8pin on ignition switch

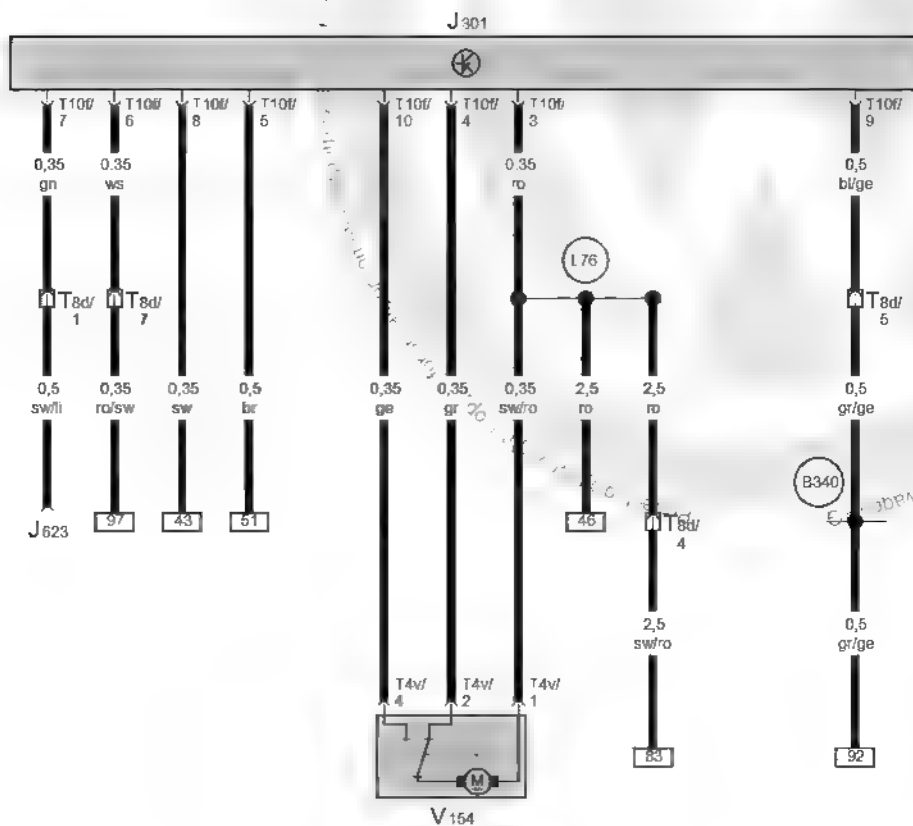
- |      |   |
|------|---|
| 366  | Earth connection 1 in main harness                            |
| 606  | Earth point under the centre console near the selection lever |
| B272 | Positive connection 30 on main harness                        |
| B298 | Positive connection 2 30 on main harness                      |
| B300 | Positive connection 4 30 on main harness                      |
| B346 | Connection 1 75 on main harness                               |
- Only for vehicles with convenience system

Air conditioning system control unit Fresh air valve and recirculation valve control motor

- J301 Air conditioning system control unit  
 J623 Engine control unit  
 T4v Fitting connector 4pin on control motor for the fresh air valve and the recirculation valve  
 T8d Fitting connector 8pin on behind dash panel centre  
 T10f Fitting connector 10 poles on Air conditioning system control unit  
 V154 Control motor for the fresh air valve and the recirculation valve

B340 Connection 1 58d on main harness

L76 Connection 87 on air conditioning wiring harness



ws white  
 sw black  
 ro red  
 br brown  
 gn green  
 bl blue  
 gr grey  
 li purple  
 ge yellow  
 or orange  
 rs pink

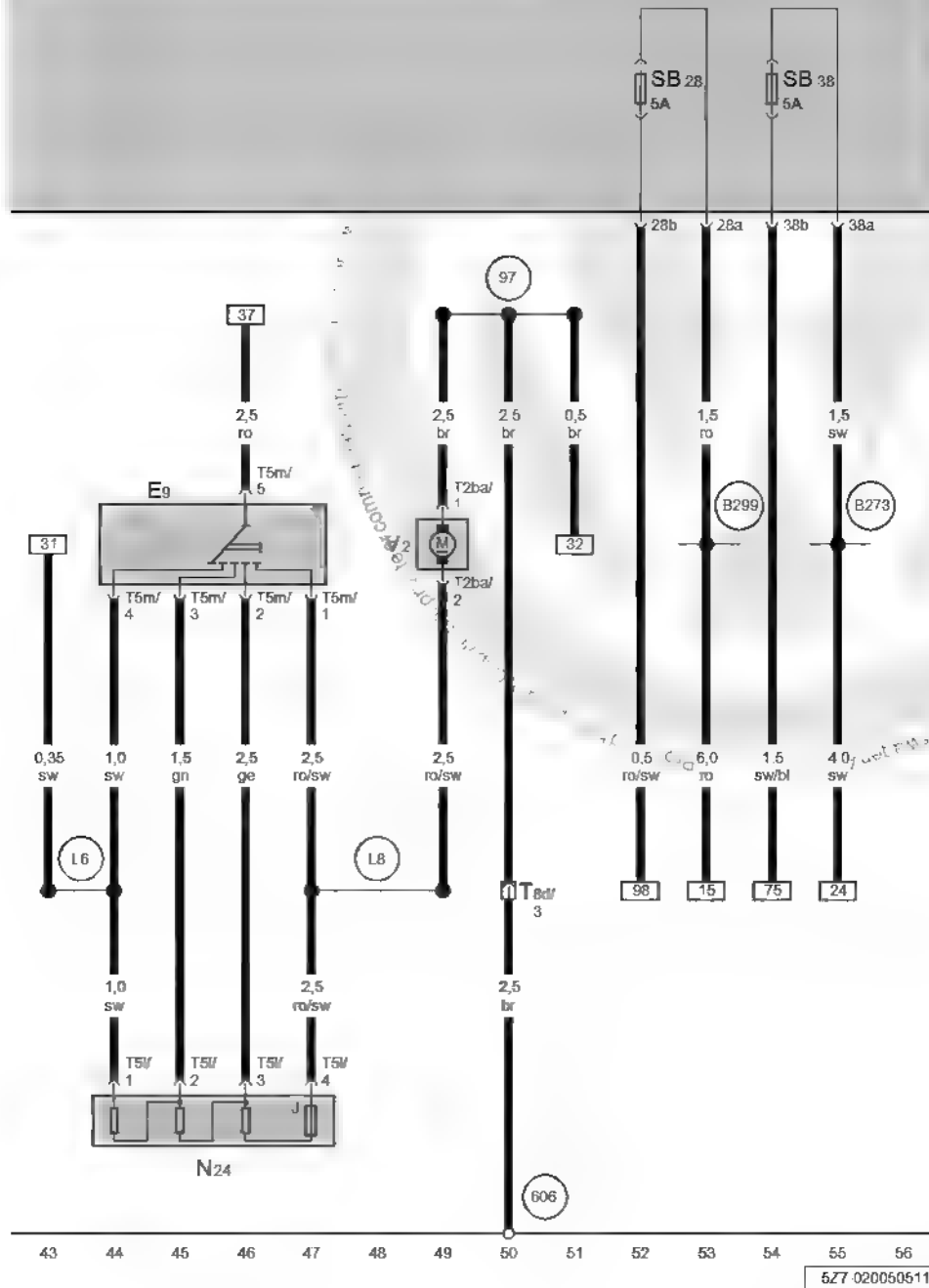
29 30 31 32 33 34 35 36 37 38 39 40 41 42

527 020040511

Rear fresh air blower switch Fresh air blower series resistor with overheating fuse Fresh air blower

- E9 Fresh air blower switch
- N24 Fresh air blower series resistor with overheating fuse
- SB28 Fuse 28 on fuse holder B
- SB38 Fuse 38 on fuse holder B
- T2ba Fitting connector 2pin on fresh air blower
- T5l Fitting connector 5pin on fresh air blower series resistor with overheating fuse
- T5m Fitting connector 5pin on fresh air blower switch
- T8d Fitting connector 8pin on behind dash panel centre
- V2 Fresh air fan

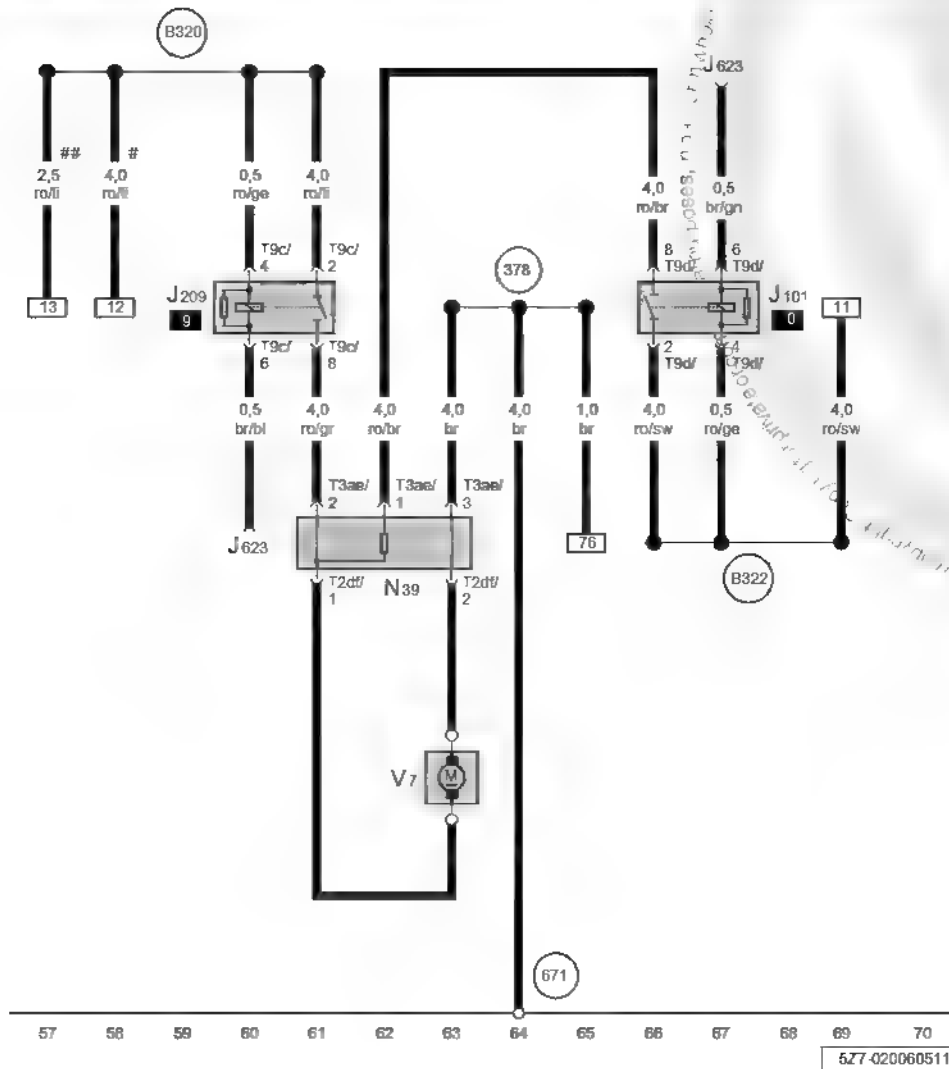
- 97 Earth connection 1 on air conditioning wiring harness
- 606 Earth point under the centre console near the selection lever
- B273 Positive connection 15 on main harness
- B299 Positive connection 3 30 on main harness
- L6 Connection 2 on wiring harness for box of the air conditioning
- L8 Connection 4 on wiring harness for box of the air conditioning



Radiator fan 2nd speed relay Fresh air blower and radiator fan relay Radiator fan series resistor Radiator fan

- J101 Radiator fan 2nd speed relay
- J209 Fresh air blower and radiator fan relay
- J623 Engine control unit
- N39 Radiator fan series resistor
- T2df Fitting connector 2pin on radiator fan
- T3ae Fitting connector 3pin on Radiator fan series resistor
- T9c Fitting connector 9pin fresh air blower and radiator fan relay
- T9d Fitting connector 9pin on Radiator fan 2nd speed relay
- V7 Radiator fan

- 378 Earth connection 13 in main harness
- 671 Earth point 1 on left front longitudinal member
- B320 Positive connection 6 30a on main harness
- B322 Positive connection 8 30a on main harness
- Until February 2011
- From February 2011

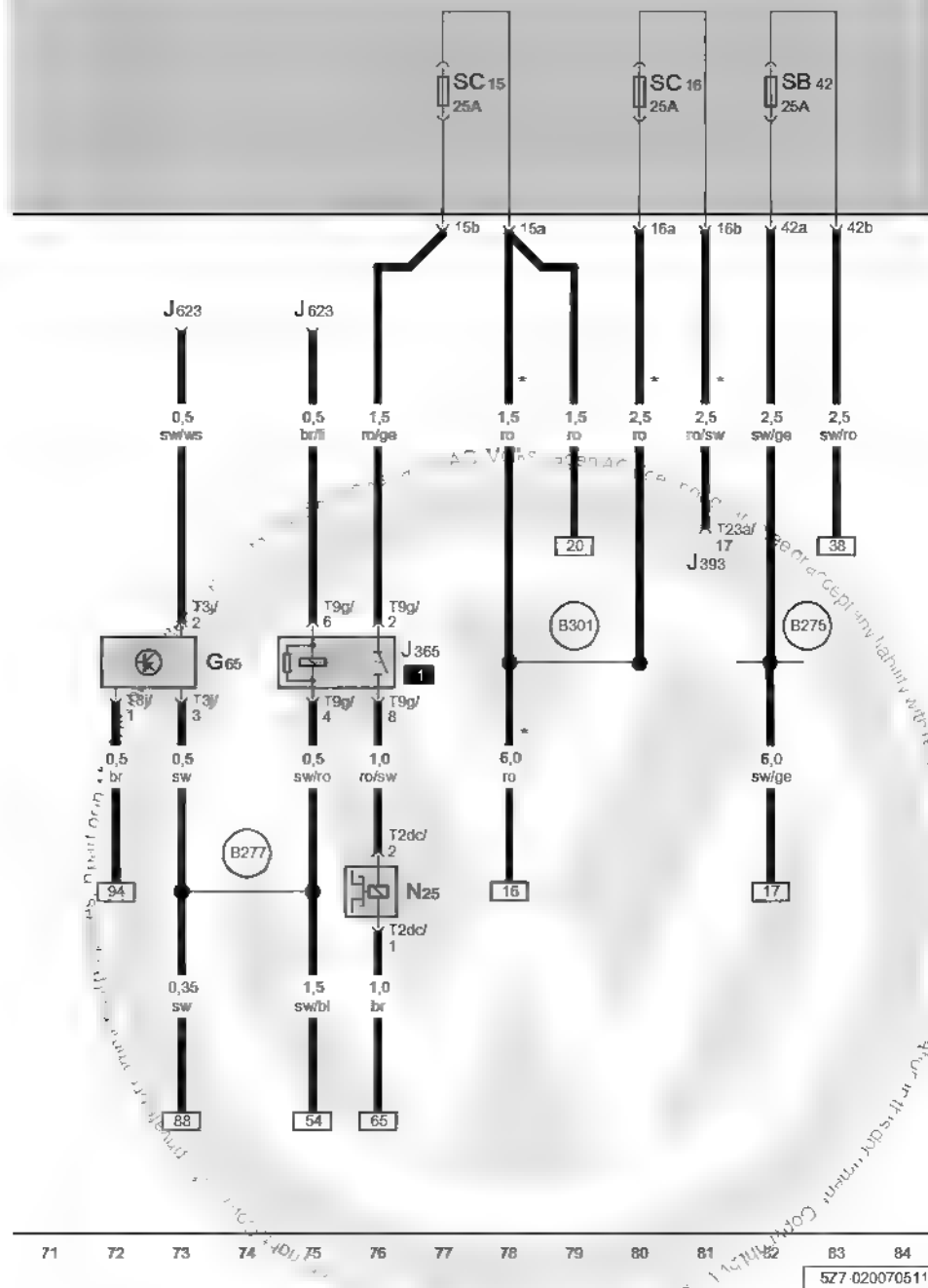


ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

High pressure sensor  
Air conditioning system switchoff relay  
Air conditioning system magnetic clutch

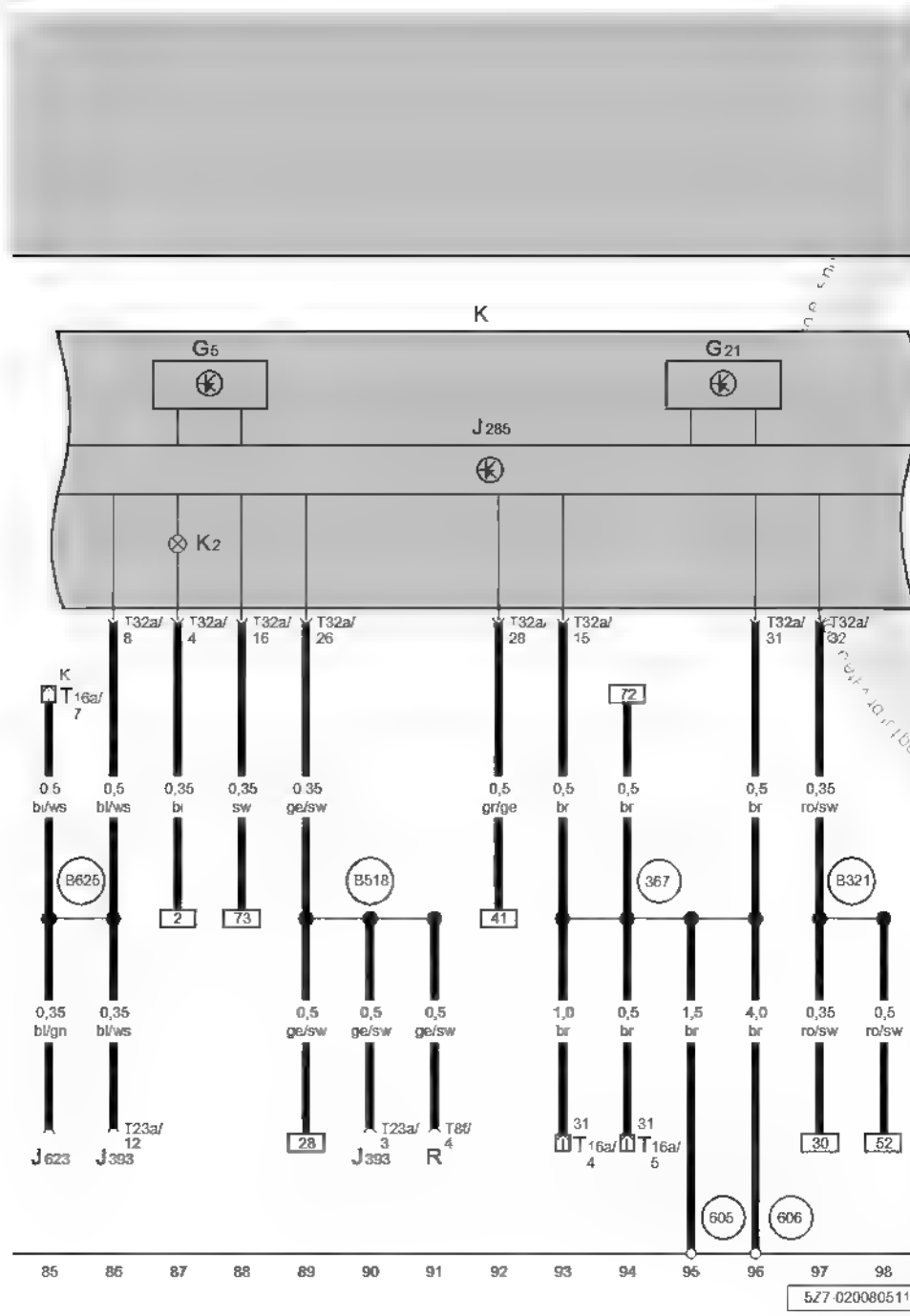
- G65 High pressure sensor
- J365 Air conditioning system switchoff relay
- J393 Central control unit for the convenience system
- J623 Engine control unit
- N25 Air conditioning system magnetic clutch
- SB42 Fuse 42 on fuse holder B
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T2dc Fitting connector 2pin on air conditioning system magnetic clutch
- T3j Fitting connector 3pin on high pressure sensor
- T9g Fitting connector 9pin on Air conditioning system switchoff relay
- T23a Fitting connector 23 poles on central control unit for the convenience system

- B275 Positive connection 87 on main harness
  - B277 Positive connection 1 15a on main harness
  - B301 Positive connection 5 30 on main harness
- Only for vehicles with convenience system



ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink





Tachometer Speedometer Control unit w indicator on the combined instrument Combined instrument Alternator control light

- G5 Tachometer
- G21 Speedometer
- J285 Control unit w indicator on the combined instrument
- J393 Central control unit for the convenience system
- J623 Engine control unit
- K Combined instrument
- K2 Alternator control light
- R Radio
- T8f Fitting connector 8pin on radio
- T16a Fitting connector 16 poles in diagnosis
- T23a Fitting connector 23 poles on central control unit for the convenience system
- T32a Fitting connector 32 poles on Control unit w indicator on the combined instrument

367 1 Earth connection 2 in main harness

605 1 Earth point in upper steering column area

606 1 Earth point under the centre console near the selection lever

B321 Positive connection 7 30a on main harness

B518 Connection 86s on main harness

B625 Connection diagnostic cable K on main harness

ws white  
sw black  
ro red  
br brown  
gn green  
bl blue  
gr grey  
li purple  
ge yellow  
or orange  
rs pink

## 1 Earth points

### 1.1 Earth points in engine compartment

1 - Earth strap battery body

❑ Page 8012

11 - Earth point in engine housing

❑ Page 8012

12 - Earth point in engine compartment left

❑ Page 8013

13 - Earth point in engine compartment right

❑ Page 8013

49 - Earth point near the battery

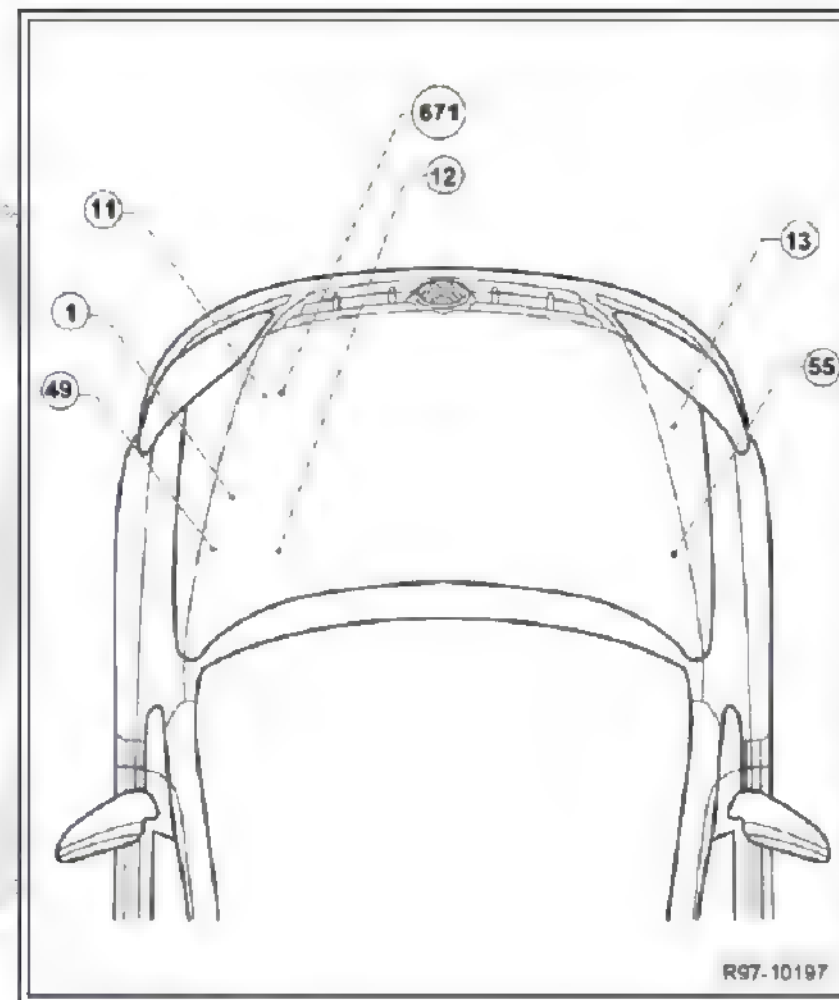
❑ Page 8012

55 - Earth point next to ABS control unit

❑ Page 8014

671 - Earth point 1 on left front longitudinal member

❑ Page 8012

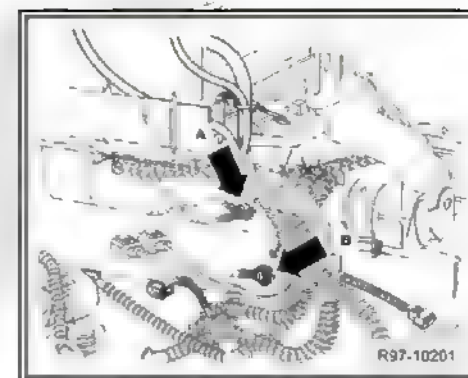
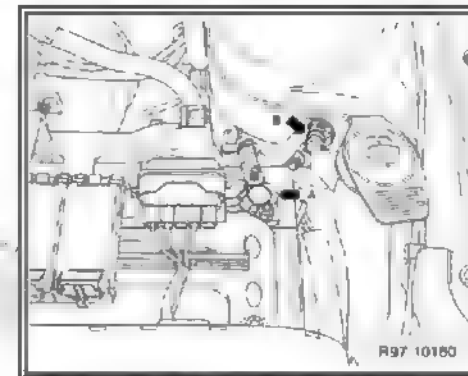


1 - Earth strap battery body Arrow A

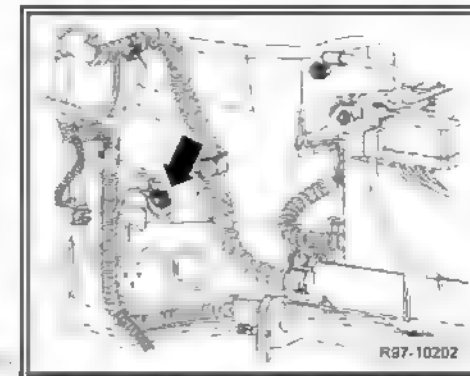
49 - Earth point near the battery Arrow B

11 - Earth point in engine housing Arrow A

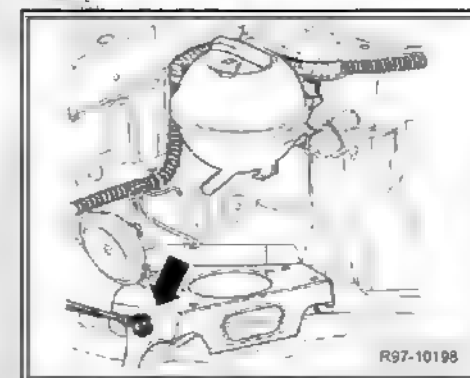
671 - Earth point 1 on left front longitudinal member Arrow B



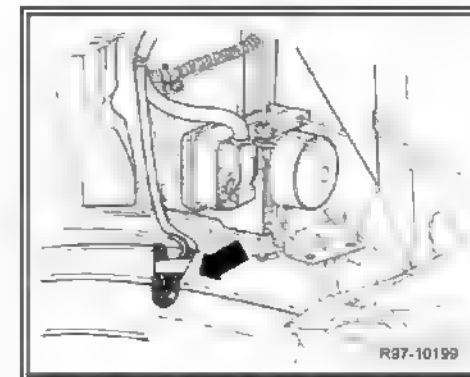
12 - Earth point in engine compartment left Arrow



13 - Earth point in engine compartment right Arrow



55 - Earth point next to ABS control unit Arrow



## 1.2 Earth points in vehicle interior

605 - Earth point in upper steering column area

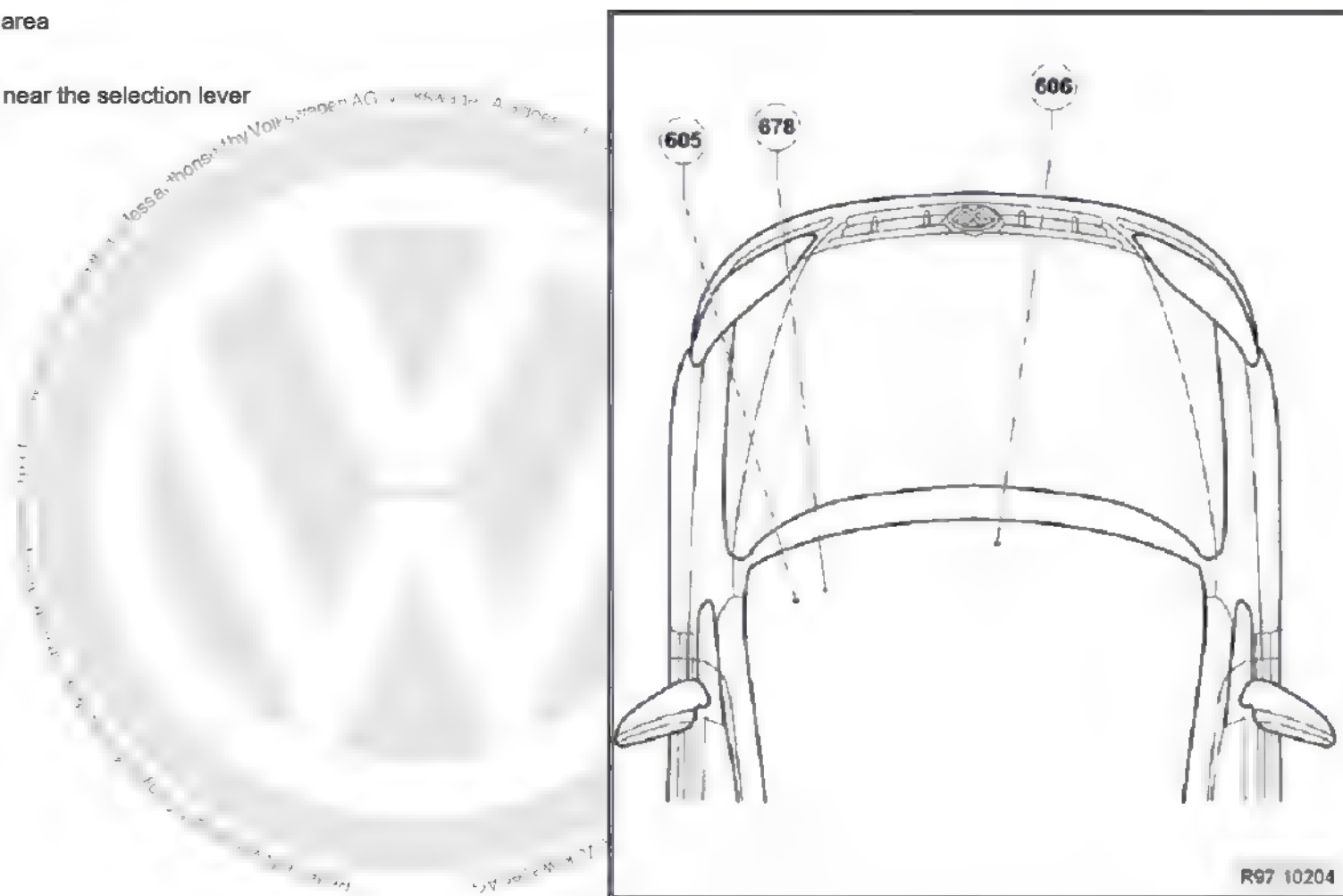
☐ Page 8016

606 - Earth point under the centre console near the selection lever

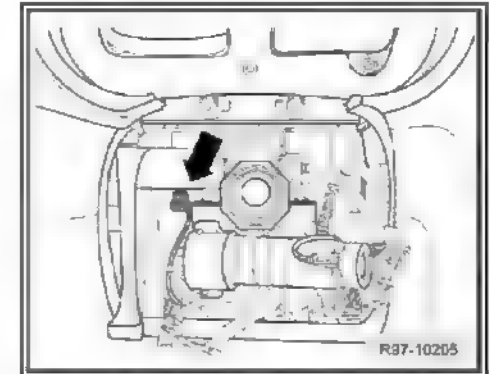
☐ Page 8016

678 - Earth point on steering wheel

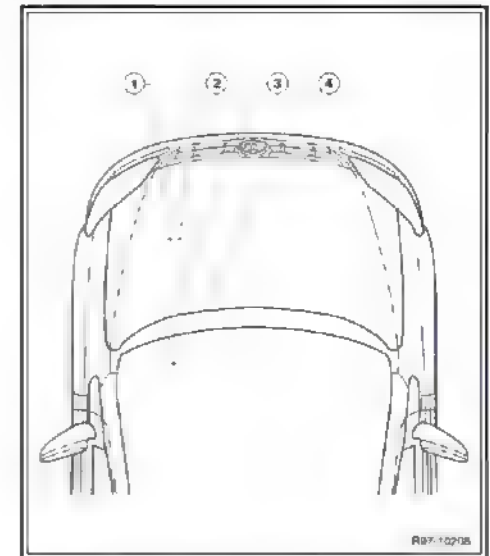
☐ Page 8017



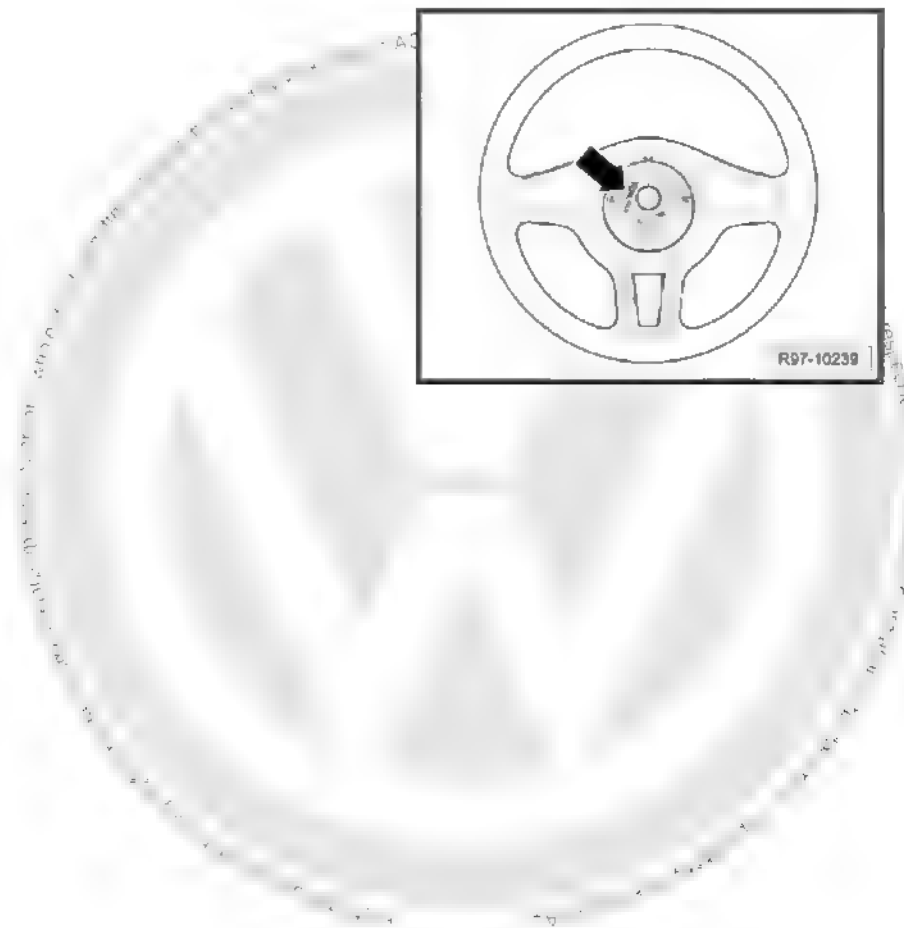
605 - Earth point in upper steering column area Arrow



606 - Earth point under the centre console near the selection lever Arrow



678 - Earth point on steering wheel Arrow





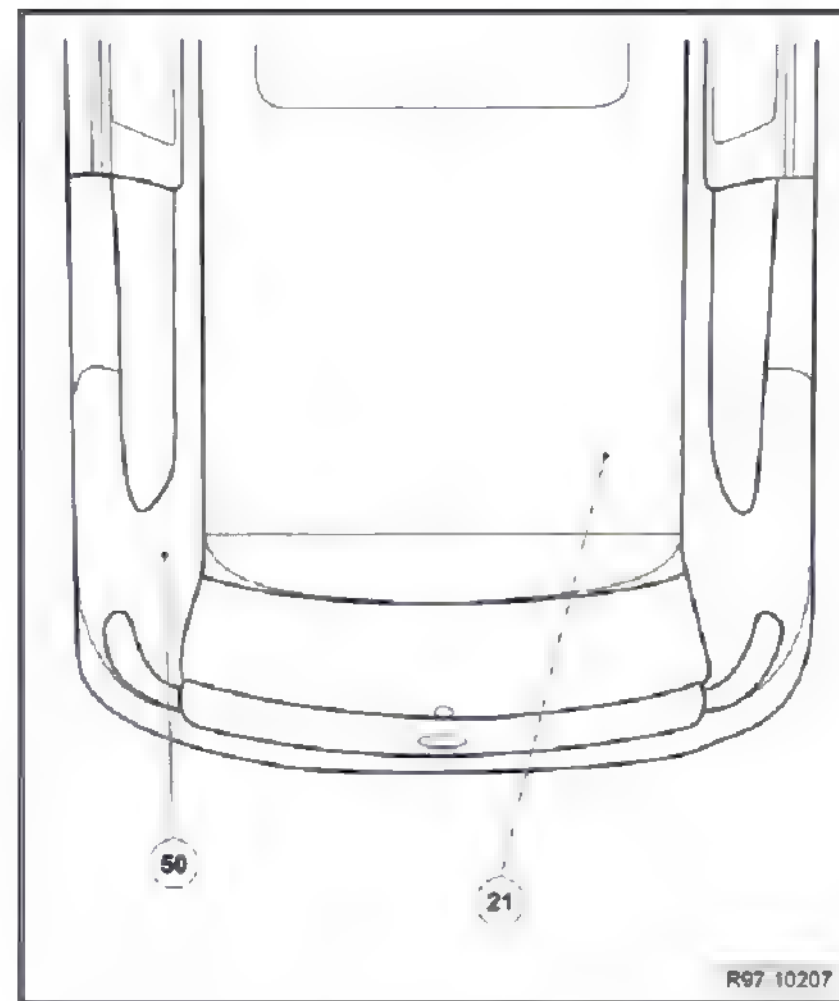
### 1.3 Earth points in luggage compartment

21 - Earth point near fuel pump

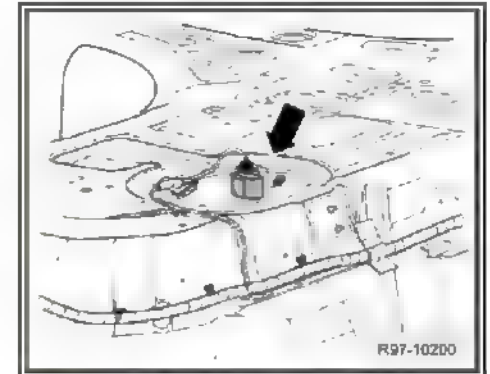
☐ Page 8019

50 - Earth point on left luggage compartment

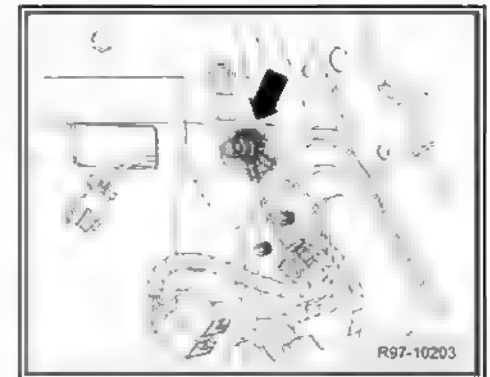
☐ Page 8019



21 - Earth point near fuel pump Arrow

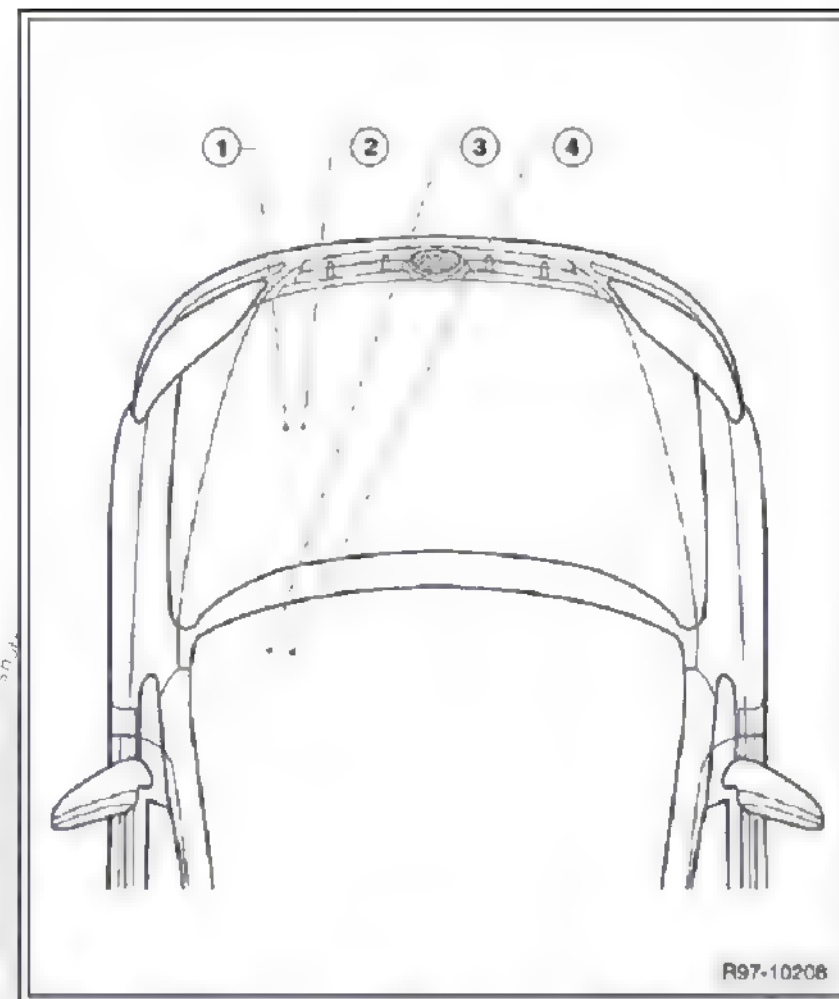


50 - Earth point on left luggage compartment Arrow



## 1 Fuses

- 1 - Battery fuse holder S Vehicles with manual transmission  
☐ Page 8022
- 2 - Battery fuse holder S Vehicles with automated transmission  
☐ Page 8024
- 3 - Fuse holder SB and SC  
☐ Page 8026
- 4 - Window regulator single fuse on relay holder  
☐ Page 80214



## 1.1 Battery fuse holder S Vehicles with manual transmission

### 1.1.1 Cable colors on fuses

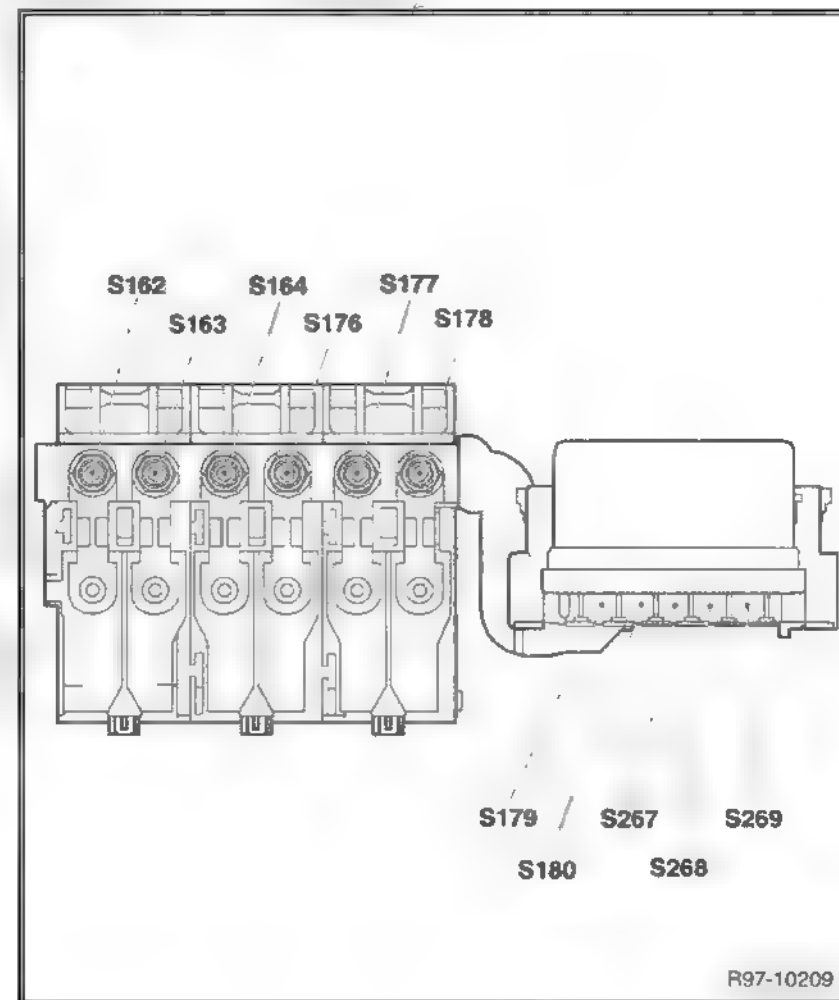
175 A black

110 A black

40 A black red and purple

30 A red and purple

25 A red and green



Nr	Designation on SLP	Chain	FunctionComponent	End piece
1	Fuse 1 30 in battery fuse holder S162	175A	CGenerator Alternator C1Voltage regulator	30
2	Fuse 2 30 in battery fuse holder S163	110A	TV2Terminal 30 wiring junction	30
3	Fuse 3 30 in battery fuse holder S164	40A	J101 Radiator fan 2nd speed relay	30
4	Fuse 4 30 in battery fuse holder S176	40A	J104 ABS control unit	30
5	Fuse 5 30 in battery fuse holder S177		Empty	
6	Fuse 6 30 in battery fuse holder S178		Empty	
7	Fuse 7 30 in battery fuse holder S179	25A	J104 ABS control unit	30a
8	Fuse 8 30 in battery fuse holder S180	30A	J701 Voltage supply relay 1	
9	Fuse 9 30 in battery fuse holder S267		Empty	
10	Fuse 10 30 in battery fuse holder S268	15A	J623 Engine control unit	30a
11	Fuse 11 30 in battery fuse holder S269		Empty	

## 1.2 Battery fuse holder S Vehicles with automated transmission

### 1.2.1 Cable colors on fuses

150 A black

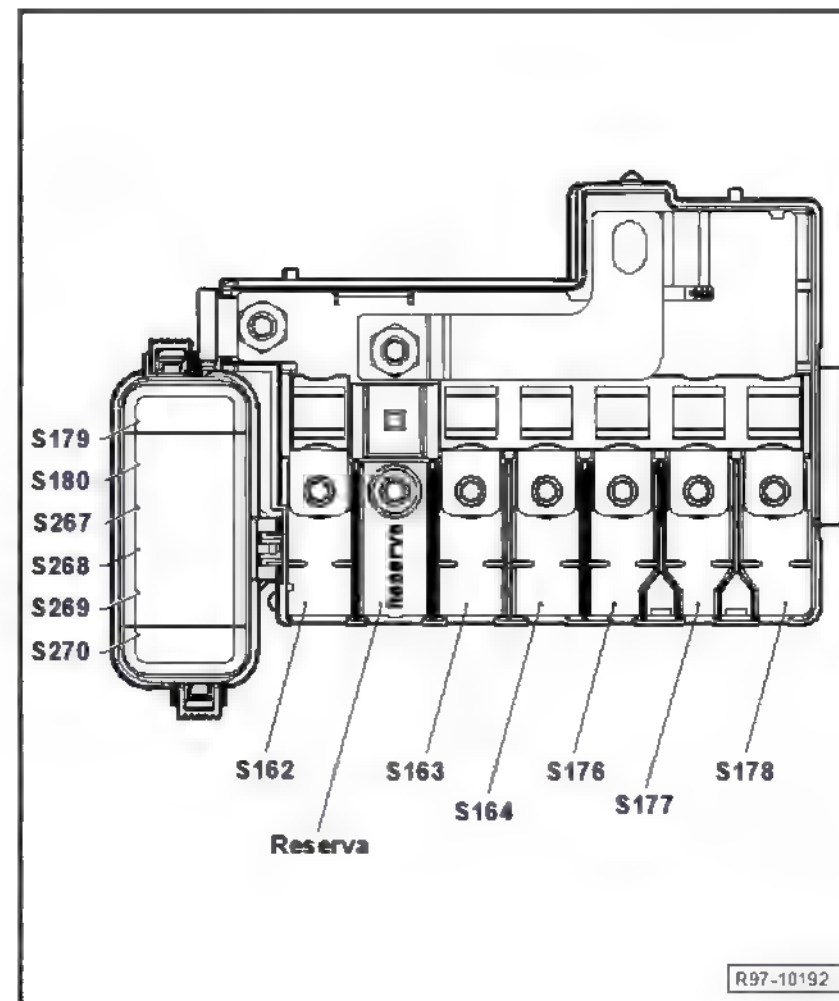
110 A black

40 A black red and purple

30 A red and purple

25 A red and green

5 A red red and black

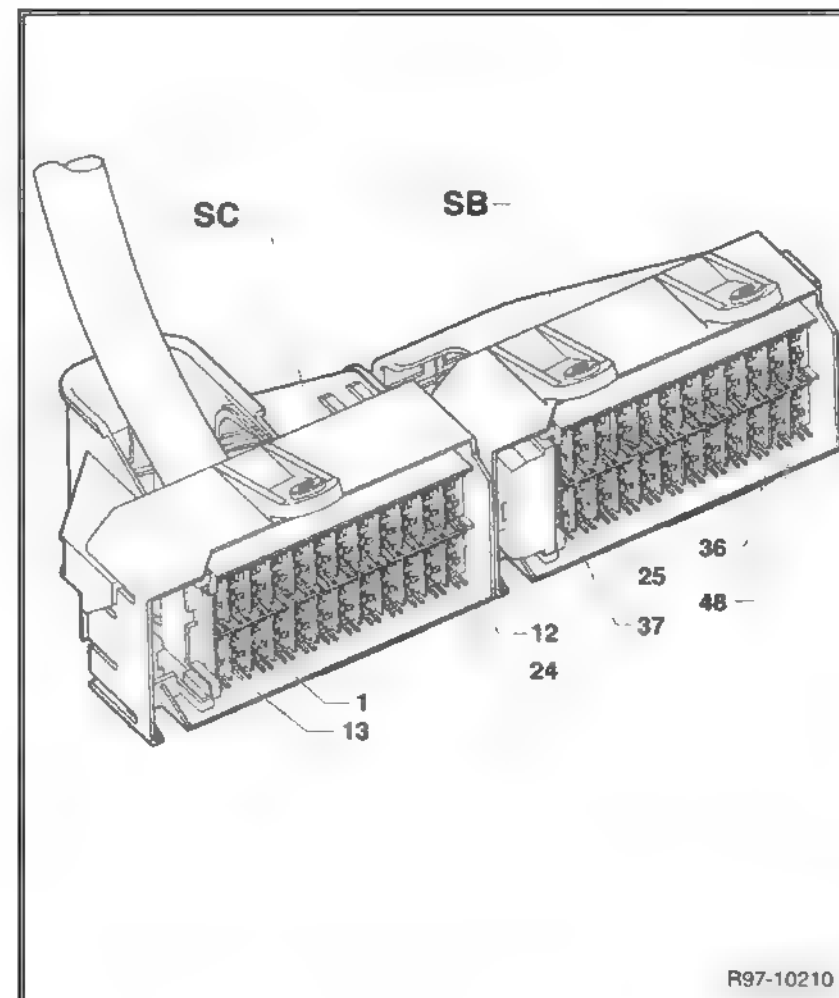


Nr	Designation on SLP	Chain	FunctionComponent	End piece
1	Fuse 1 30 in battery fuse holder S162	150A	CGenerator Alternator G1 Voltage regulator	30
	Reserve		Reserve	
2	Fuse 2 30 in battery fuse holder S163	150A	TV2Terminal 30 wiring junction TV2	30
3	Fuse 3 30 in battery fuse holder S164	50A	Empty	30
4	Fuse 4 30 in battery fuse holder S176	40A	J104 ABS control unit	30
5	Fuse 5 30 in battery fuse holder S177	40A	J101 Radiator fan 2nd speed relay J101	30
6	Fuse 6 30 in battery fuse holder S178	50A	Empty	
7	Fuse 7 30 in battery fuse holder S179	25A	J104 ABS control unit	30a
8	Fuse 8 30 in battery fuse holder S180	30A	J701 Voltage supply relay 1	30a
9	Fuse 9 30 in battery fuse holder S267	5A	J623 Engine control unit	30a
10	Fuse 10 30 in battery fuse holder S268		Empty	
11	Fuse 11 30 in battery fuse holder S269	5A	J217Automatic transmission control unit	30a
12	Fuse 11 30 in battery fuse holder S269	5A	V387 Hydraulic transmission pump V387	30a

### 1.3 Fuse holder SB and SC

#### 1.3.1 Fuses colors

- 30 A green
- 25 A white
- 20 A yellow
- 15 A blue
- 10 A red
- 5 A beige





#### 1.4 Fuse holder SC

Nr	Designation on SLP	Chain	FunctionComponent	End piece
1	Fuse 1 on fuse holder C SC1	10A	Empty	56
2	Fuse 2 on fuse holder C SC2	5A	J285 Control unit w indicator on the combined instrument J393Central control unit for the convenience system RRadio	86s
3	Fuse 3 on fuse holder C SC3	10A	Empty	56
4	Fuse 4 on fuse holder C SC4	5A	E165Rear lid unlocking switch E405Spare wheel release button	30a
5	Fuse 5 on fuse holder C SC5	20A	RRadio	30a
6	Fuse 6 on fuse holder C SC6	20A	J48 Heater rear window control relay	XR
7	Fuse 7 on fuse holder C SC7	5A	E23 Front and rear fog light switch J5Fog light relay L40Front and rear fog light switch illumination bulb	30a
8	Fuse 8 on fuse holder C SC8	20A	J245Sliding sunroof motion control unit	30a
9	Fuse 9 on fuse holder C SC9	10A	J217Automatic transmission control unit	15a
10	Fuse 10 on fuse holder C SC10		Empty	

Nr	Designation on SLP	Chain	FunctionComponent	End piece
11	Fuse 11 on fuse holder C SC11	10A	E2 Flashingturn light switch E3Hazard warning light switch K6Indicator lamp for hazard warning light K94 Right turn signal control light M7Right front indicator light lamp M8Right rear indicator light lamp L132Front passenger side mirror turn signal repeater bulb	R
12	Fuse 2 on fuse holder C SC12	10A	E2 Flashingturn light switch E3Hazard warning light switch K6Indicator lamp for hazard warning light K65Left turn signal control light M5Left front indicator light lamp M6Left rear indicator light lamp L131Driver side external mirror turn signal repeater bulb	L
13	Fuse 18 on fuse holder C SC13	5A	J587The Selector lever sensor control unit	30a
14	Fuse 19 on fuse holder C SC14	5A	E48Mirror adjustment changeover switch E165Rear lid unlocking switch E405Spare wheel release button J351Folding exterior mirror control unit J393Central control unit for the convenience system V25	15a
15	Fuse 20 on fuse holder C SC15	25A	J365Air conditioning system swtchoff relay	30a

Nr	Designation on SLP	Chain	FunctionComponent	End piece
16	Fuse 16 on fuse holder C SC16	25A	J393Central control unit for the convenience system	30a
17	Fuse 17 on fuse holder C SC17	5A	E23 Front and rear fog light switch L40Front and rear fog light switch illumination bulb	XRA
18	Fuse 18 on fuse holder C SC18	10A	V12Rear window wiper motor	XR
19	Fuse 19 on fuse holder C SC19	5A	J587The Selector lever sensor control unit	15a
20	Fuse 20 on fuse holder C SC20	15A	U1812 V socket 2 L42Socket illumination bulb	30a
21	Fuse 21 on fuse holder C SC21	5A	F138Airbag coil connector and return ring with slip ring	15a
22	Fuse 22 on fuse holder C SC22	30A	J393Central control unit for the convenience system	30a
23	Fuse 23 on fuse holder C SC23	5A	J104 ABS control unit	30a
24	Fuse 24 on fuse holder C SC24	10A	J104 ABS control unit	15a
25	Fuse 25 on fuse holder B SB25	10A	E3Hazard warning light switch K6Indicator lamp for hazard warning light	15a
26	Fuse 26 on fuse holder B SB26	10A 20A	N152 Ignition transformer J701 Voltage supply relay 1	15a 30a

1.5 Fuse holder SB

Nr	Designation on SLP	Chain	FunctionComponent	End piece
27	Fuse 27 on fuse holder B SB27	15A	E6Interior light switch rear K6Indicator lamp for hazard warning light T16a Fitting connector 16 poles in diagnosis	30a
28	Fuse 28 on fuse holder B SB28	5A	J285 Control unit w indicator on the combined instrument J301Air conditioning system control unit	30a
29	Fuse 29 on fuse holder B SB29	15A	E22Windshield wiper timer switch intermittent operation J31Automatic intermittent wash and wiper relay V Windshield wiper motor J932Automatic intermittent wash and wipe control unit	53a
30	Fuse 30 on fuse holder B SB30	5A	J623 Engine control unit	15a
31	Fuse 31 on fuse holder B SB31	5A	M1Left front side light lamp M2Right tail light lamp M3Right front side light lamp	58r
32	Fuse 32 on fuse holder B SB32	5A	XLlicense plate light E3Hazard warning light switch K6Indicator lamp for hazard warning light J917Control unit for lighting and wiper functions KCombined instrument	58
33	Fuse 33 on fuse holder B SB33	15A	GFuel gauge sender G6Fuel pump presupply pump	87a

Nr	Designation on SLP	Chain	FunctionComponent	End piece
34	Fuse 34 on fuse holder B SB34	10A	N17Cold start valve N80Magnetic valve 1 for activated charcoal container J41Cold start device relay	87a
35	Fuse 35 on fuse holder B SB35	10A	M30Left high beam lamp L1Left headlight twin filament bulb K1High beam control light	56al
36	Fuse 36 on fuse holder B SB36	10A	M29Left low beam lamp L1Left headlight twin filament bulb	56bl
37	Fuse 37 on fuse holder B SB37	10A	F4Reversing light switch	15a
38	Fuse 38 on fuse holder B SB38	5A	J17Fuel pump relay J41Cold start device relay J285 Control unit w indicator on the combined instrument J365Air conditioning system switchoff relay J446Control unit for parking aid F36 Clutch pedal switch F47Brake pedal switch G22Speed sensor G65High pressure sender G170Left ultrasonic sensor for antitheft alarm system W6Glove compartment light E230Heater rear window switch	15a

Nr	Designation on SLP	Chain	FunctionComponent	End piece
39	Fuse 39 on fuse holder B SB39	10A	W1Front interior light W3Luggage compartment light W11Rear left reading light W12Rear right reading light W14Passenger vanity mirror with lighting W20Driver vanity mirror with lighting J351Folding exterior mirror control unit V154Control motor for the fresh air valve and the recirculation valve	30a
40	Fuse 40 on fuse holder B SB40	10A	FBrake light switch	15a
41	Fuse 41 on fuse holder B SB41	10A	H1Horn or dual tone horn J4Dual tone horn relay	15a
42	Fuse 42 on fuse holder B SB42	25A	E9Fresh air blower switch J301Air conditioning system control unit V154Control motor for the fresh air valve and the recirculation valve	XR
43	Fuse 43 on fuse holder B SB43	5A	M1Left front side light lamp M3Right front side light lamp M4Left tail light lamp	58l
44	Fuse 44 on fuse holder B SB44	10A	N30Injector cylinder 1 N31Injector cylinder 2 N32Injector cylinder 3 N33Injector cylinder 4	87a
45	Fuse 45 on fuse holder B SB45	10A	G39Lambda probe G130Lambda probe after catalytic converter	87a

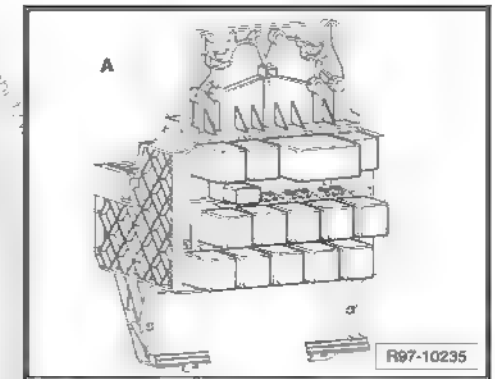
Nr	Designation on SLP	Chain	FunctionComponent	End piece
46	Fuse 46 on fuse holder B SB46	10A	L2Right headlight twin filament bulb M32Right high beam lamp	56ar
47	Fuse 47 on fuse holder B SB47	10A	L2Right headlight twin filament bulb M31Right low beam lamp	56br
48	Fuse 48 on fuse holder B SB48	20A	U512volt socket L42Socket illumination bulb J59Xcontact relief relay	XRA

1.6 Window regulator single fuse on relay holder

1.6.1 S43 Window regulator thermal fuse 25

A

Color Yellow





# 1 Relay

1 - Relay behind dash panel left

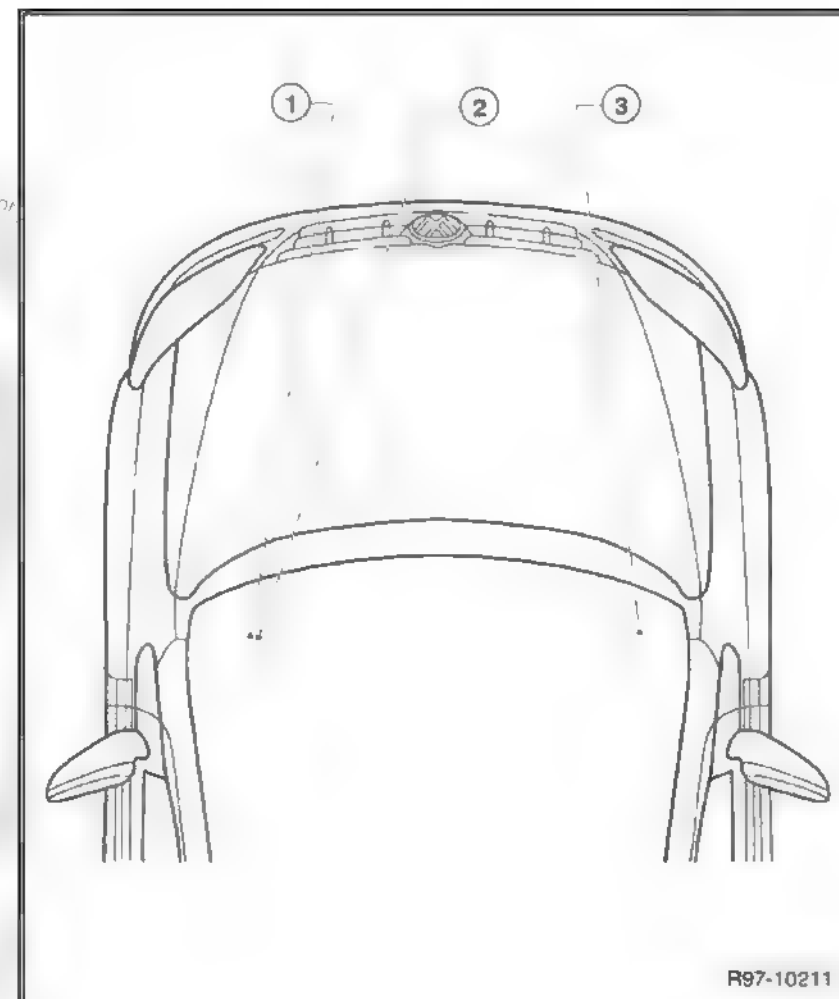
❑ Page 8032

2 - Relay above relay holder

❑ Page 8034

3 - Relay dash panel right behind glove compartment

❑ Page 8035



## 1.1 Relay behind dash panel left

1 - J365 Air conditioning system switchoff relay

Color Black

2 - J41 Cold start device relay

Color Black

3 - J351 Folding exterior mirror control unit

Color Dark gray

4 - J351 Folding exterior mirror control unit

Color Dark gray

5 - J5 Fog light relay

Color Grey

6 - J48 Heater rear window control relay

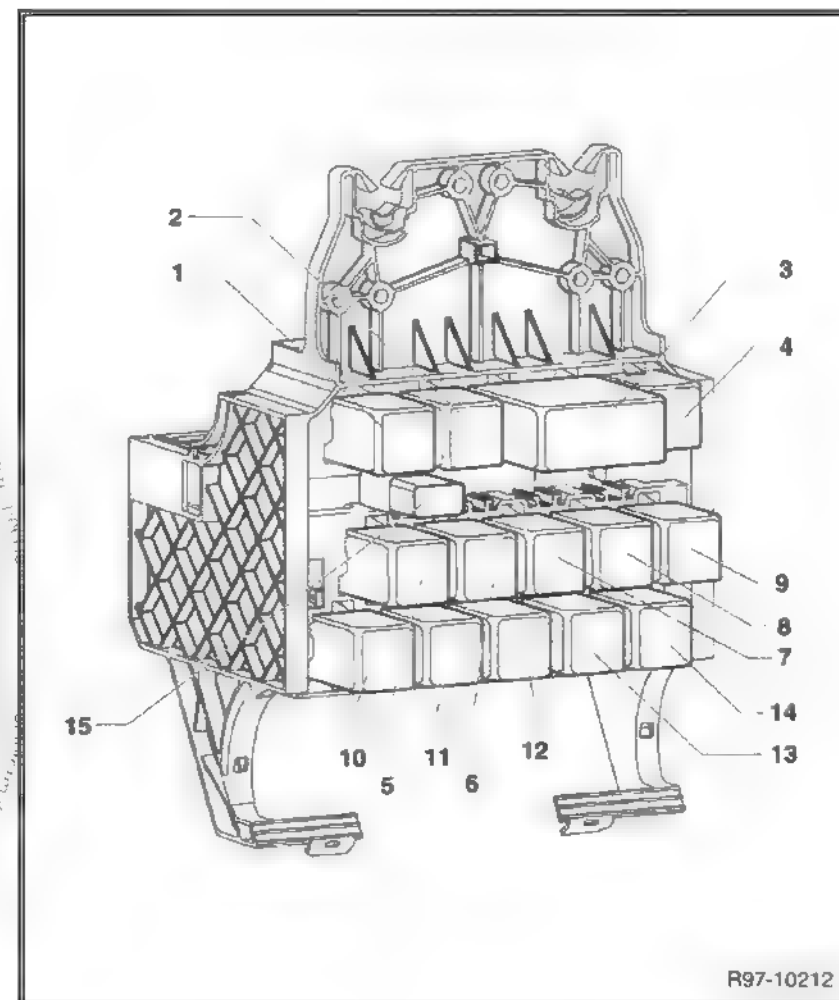
Color Blue

7 - J31 Automatic intermittent wash and wiper relay

Color Red

8 - J59X contact relief relay

Color Grey



## 1.2 Relay behind dash panel left

9 - J209 Fresh air blower and radiator fan relay

Color Black

10 - J101 Radiator fan 2nd speed relay

Color Black

11 - J17 Fuel pump relay

Color Black

12 - J4 Dual tone horn relay

Color Black

13 - J339 X contact relief relay 2

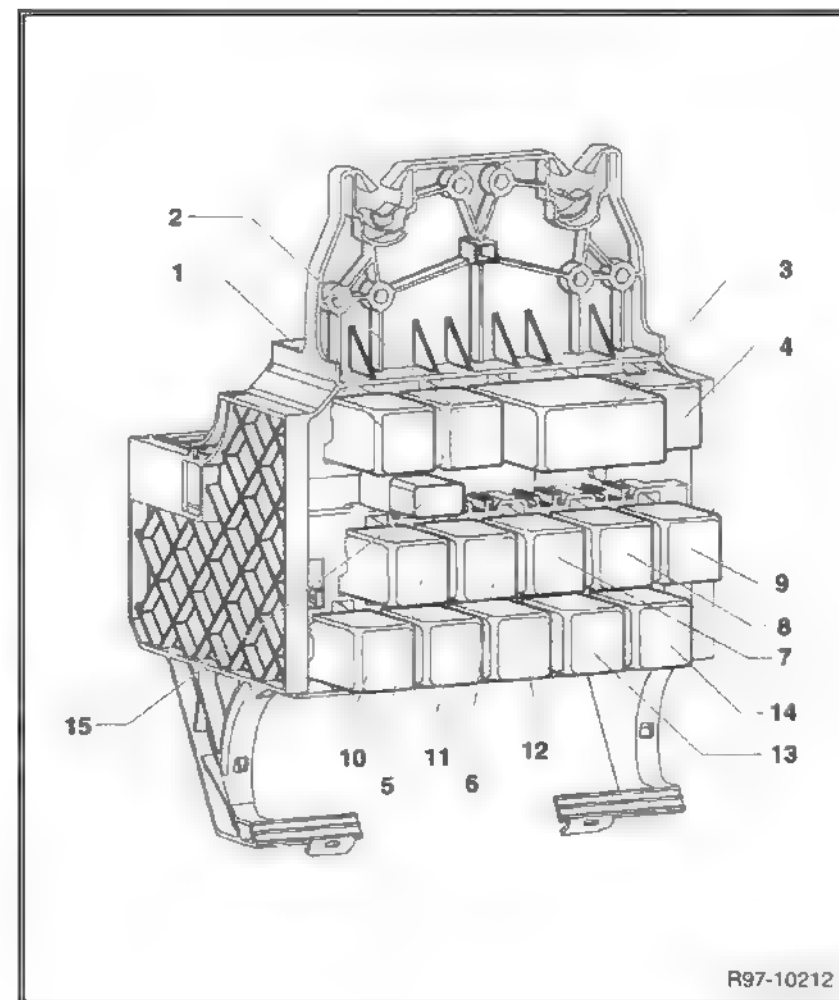
Color Blue

14 - J12 Automatic intermittent wash and wipe control unit J932 Automatic intermittent wash and wipe control unit

Color Black

15 - J331 Dipped beam relay J932 Automatic intermittent wash and wipe control unit

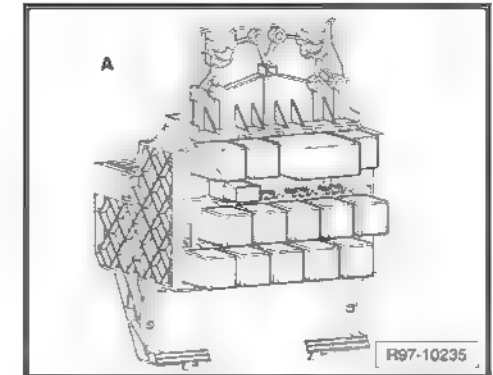
Color Dark gray



### 1.3 Relay above relay holder

9 - S43 Window regulator thermal fuse

Color Yellow



## 1.4 Relay dash panel right behind glove compartment

16 - J53 Starter motor relay

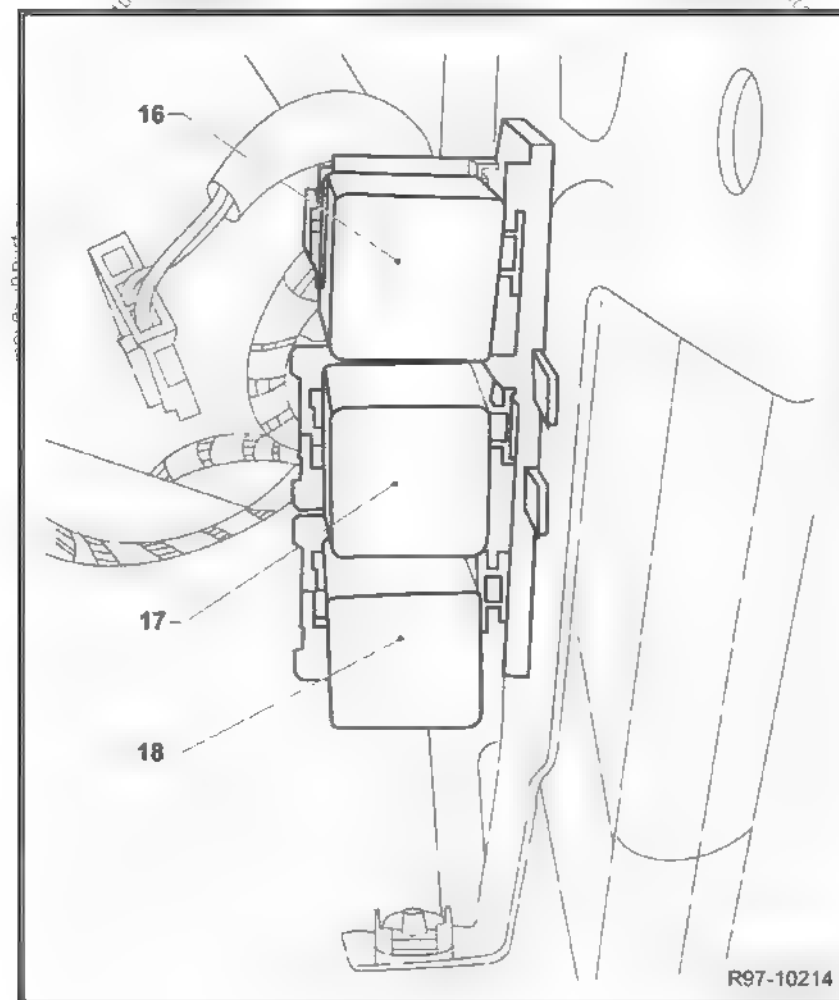
Color Black

17 - J695 Starter motor relay 2

Color Black

18 - J510 Gearbox hydraulic pump relay

Color Black



## 1 Control units

1 - Control unit with indicator in the combined instrument J285 and Control unit for interactive system J879

❑ Page 8043

2 - Engine control unit J623

❑ Page 8045

3 - Automatic transmission control unit J217

❑ Page 8047

4 - ABS control unit J104

❑ Page 8049

5 - Airbag control unit J234

❑ Page 80411

6 - Air conditioning system control unit J301

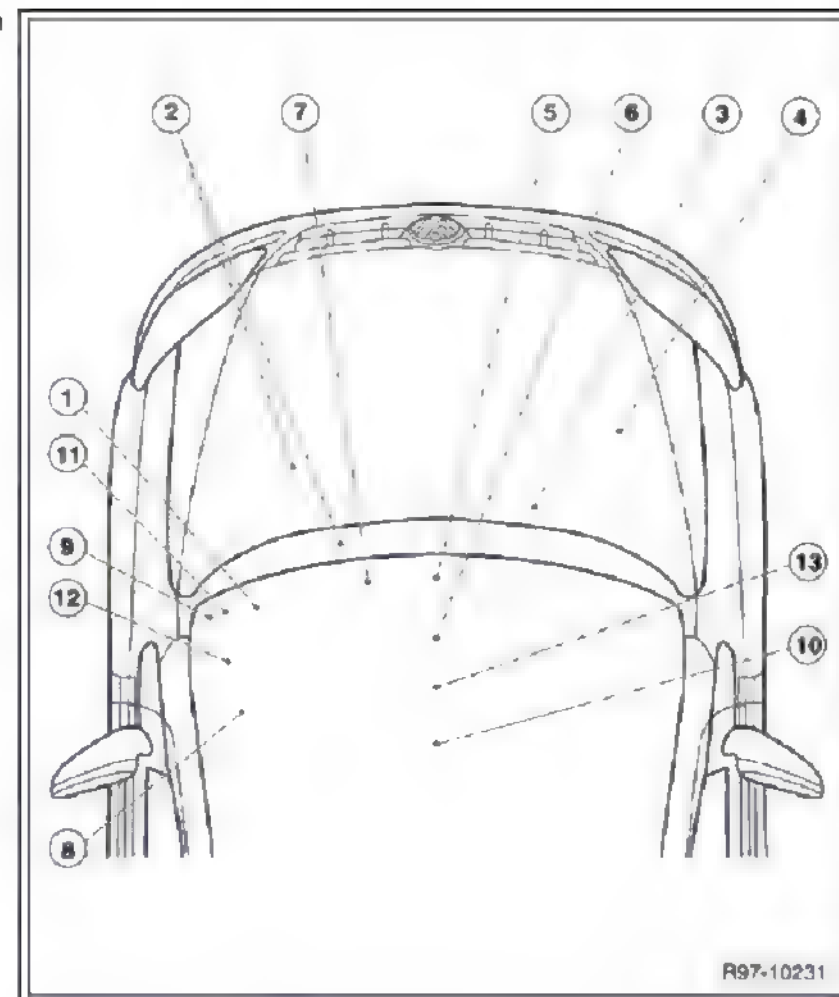
❑ Page 80413

7 - Central control unit for the convenience system J393

❑ Page 80415

8 - Control unit for parking aid J446

❑ Page 80417



## 1.1 Control units

9 - Control unit of lights with windshield wiper functions J917

❑ Page 80419

10 - Vacant

11 - Folding exterior mirror control unit J351

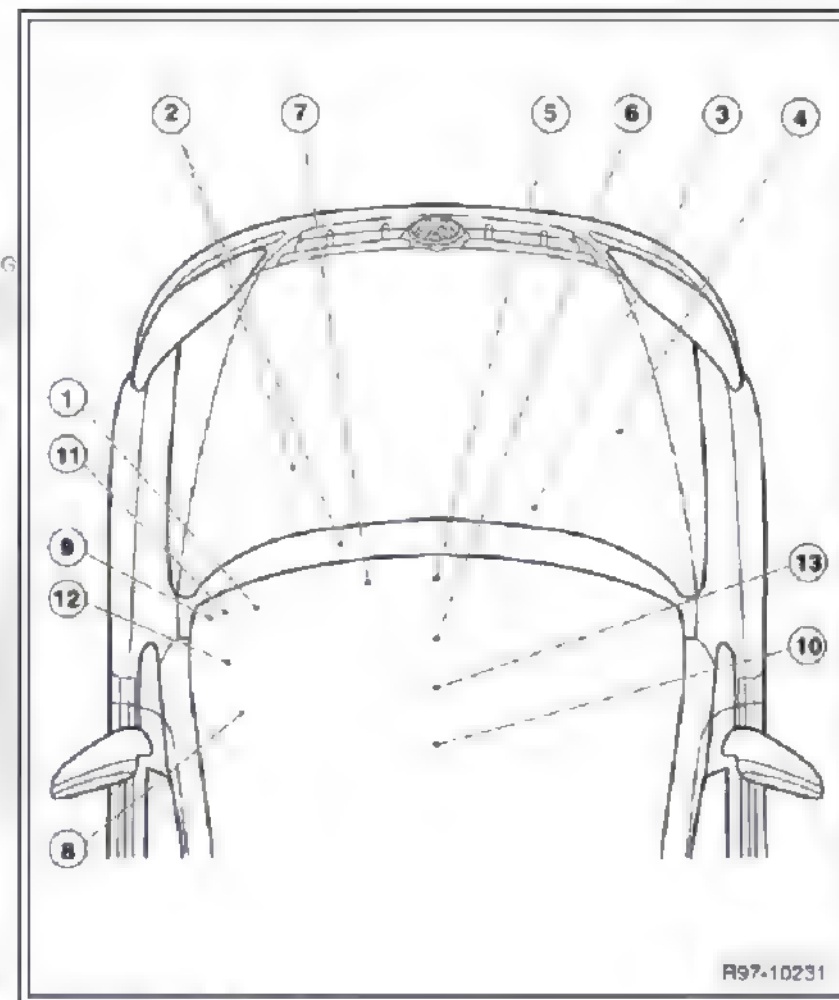
❑ Page 80421

12 - Control unit on the steering wheel E221

❑ Page 80423

13 - The Selector lever sensor control unit J587

❑ Page 80425

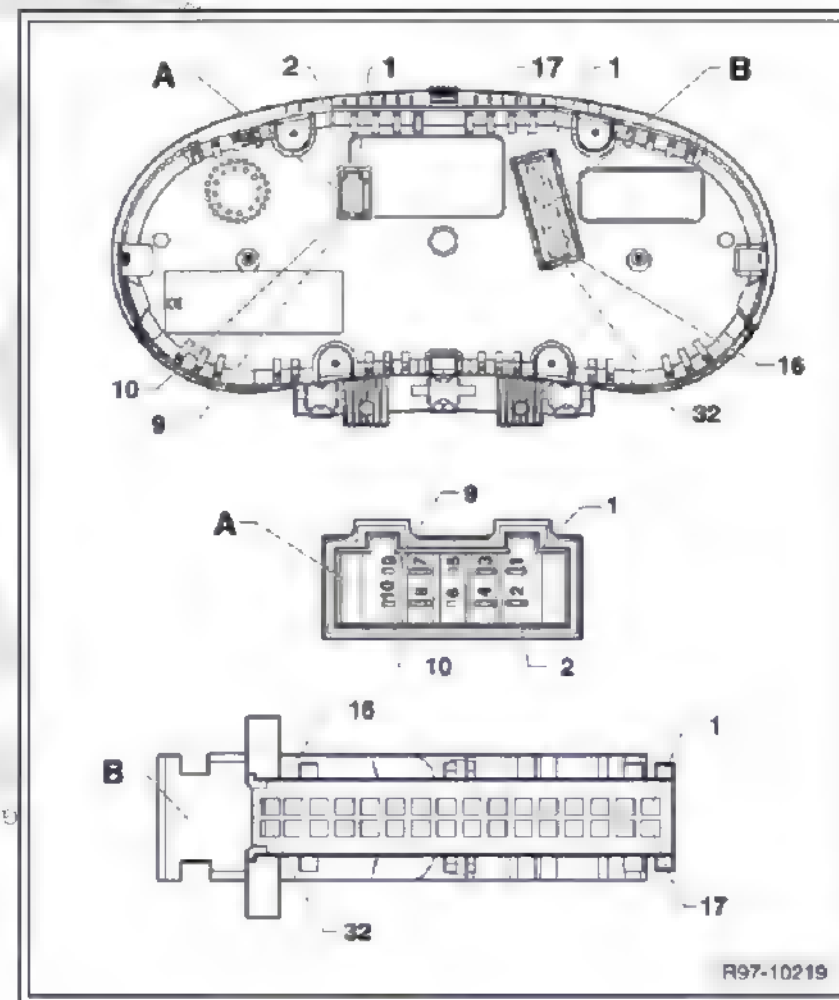


### 1.1.1 Control unit with indicator in the combined instrument J285 and Control unit for interactive system J879

#### Connectors

A Fitting connector 10 poles on control unit for interactive system T10d

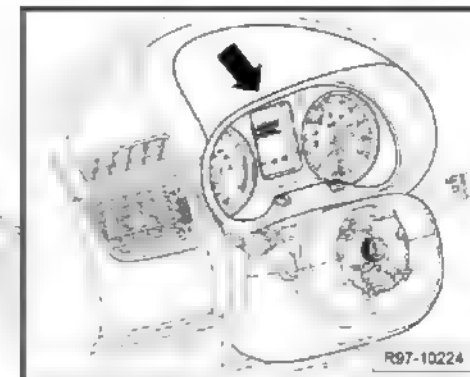
B Fitting connector 32 poles on Control unit w indicator on the combined instrument T32a





- Positioning location

"Next to steering column on combined  
instrument" Arrow

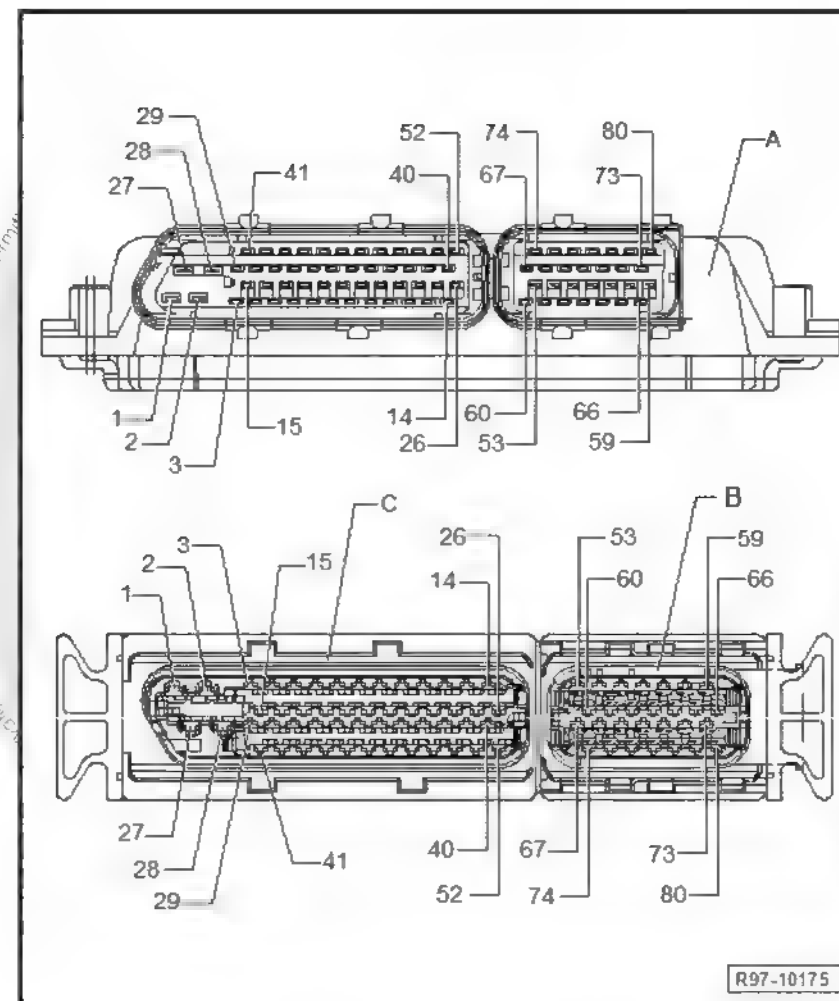


## 1.1.2 Engine control unit J623

A Engine control unit J623

Connectors

BC Fitting connector 80 poles on engine control unit T80a

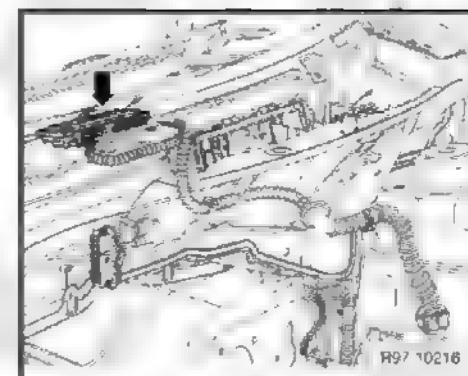
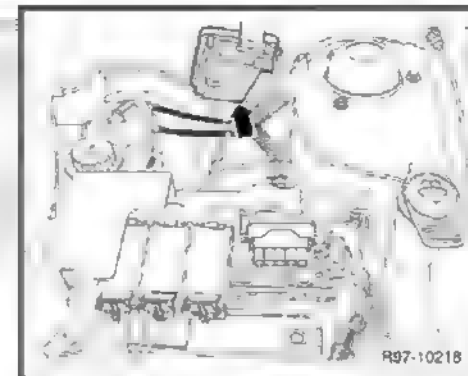


- Positioning location Vehicles with manual transmission

"In engine compartment left" Arrow

- Positioning location Vehicles with automated transmission

"In engine compartment left under top  
grill " Arrow

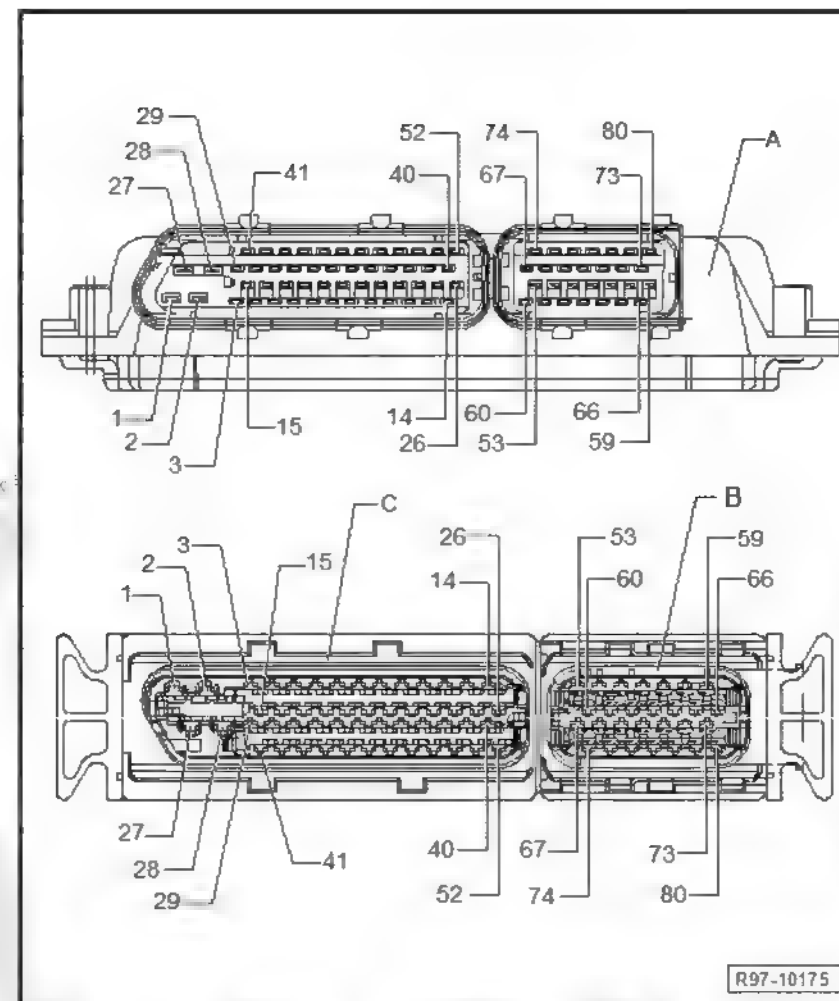


### 1.1.3 Automatic transmission control unit J217

A Automatic transmission control unit J217

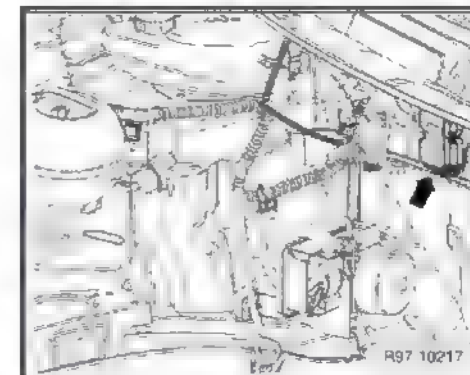
Connectors

BC Fitting connector 80 poles on automatic transmission control unit T80b



- Positioning location

"In engine compartment right" Arrow

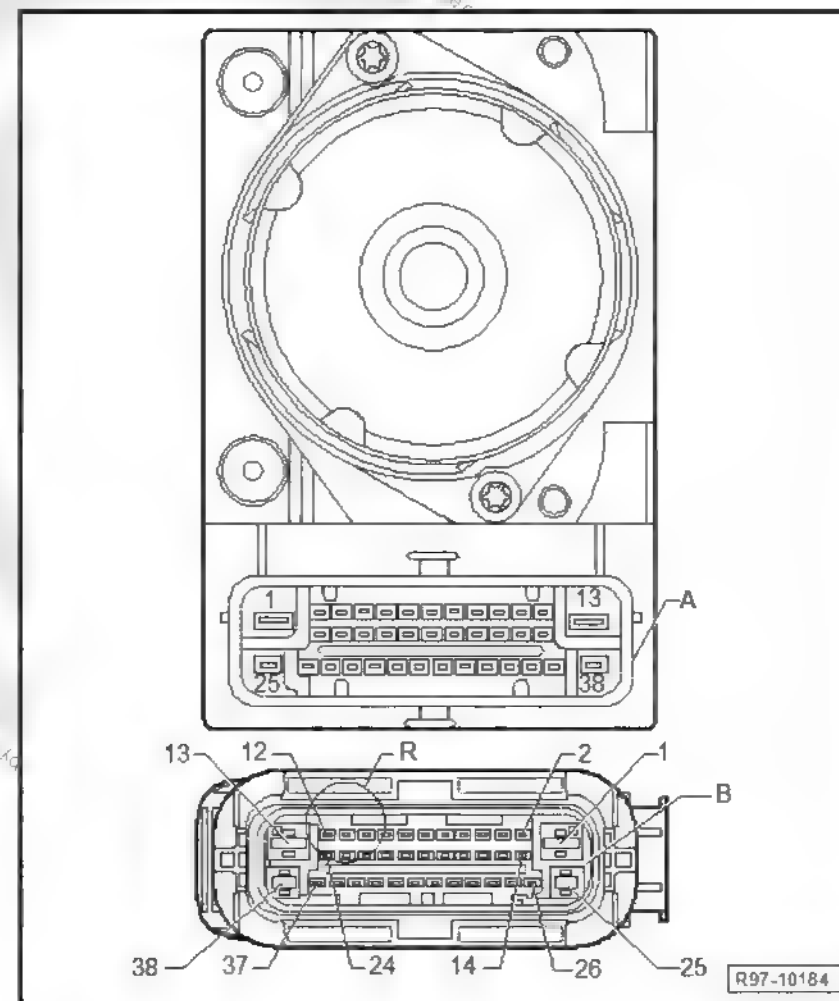


## 1.1.4 ABS control unit J104

A ABS control unit J104

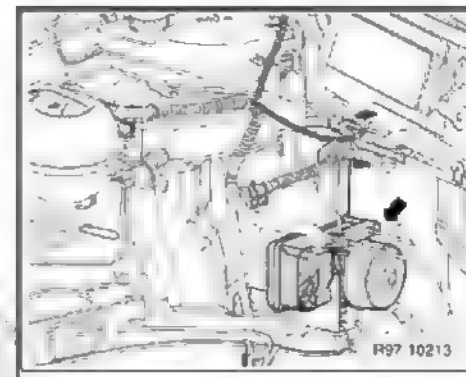
Connector

B Fitting connector 38 poles on ABS control unit T38a



- Positioning location

"In engine compartment right" Arrow

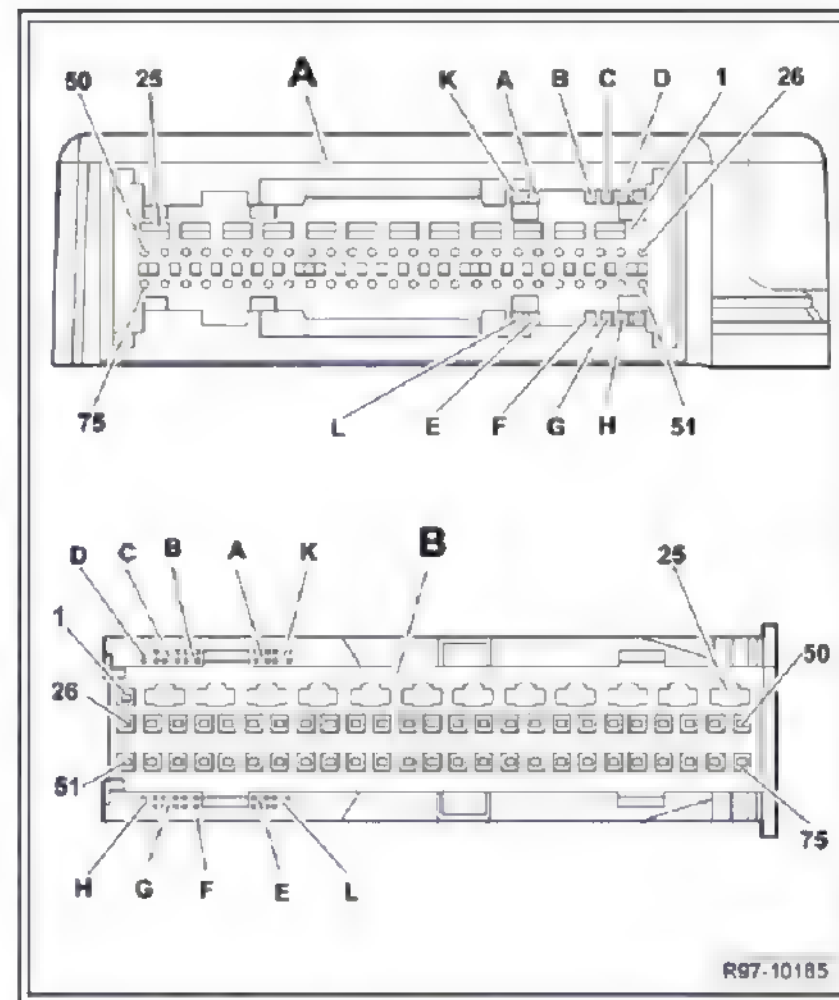


### 1.1.5 Airbag control unit J234

A Airbag control unit J234

Connector

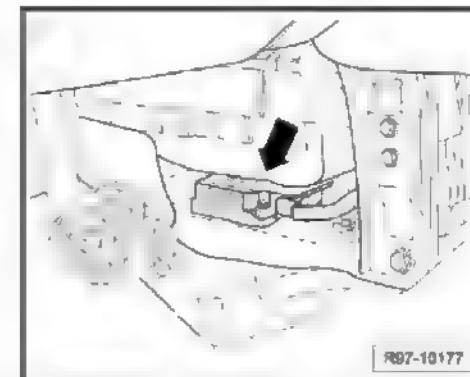
B Fitting connector 75 poles on airbag control unit J234





- Positioning location

"Under central console near the selection lever" Arrow

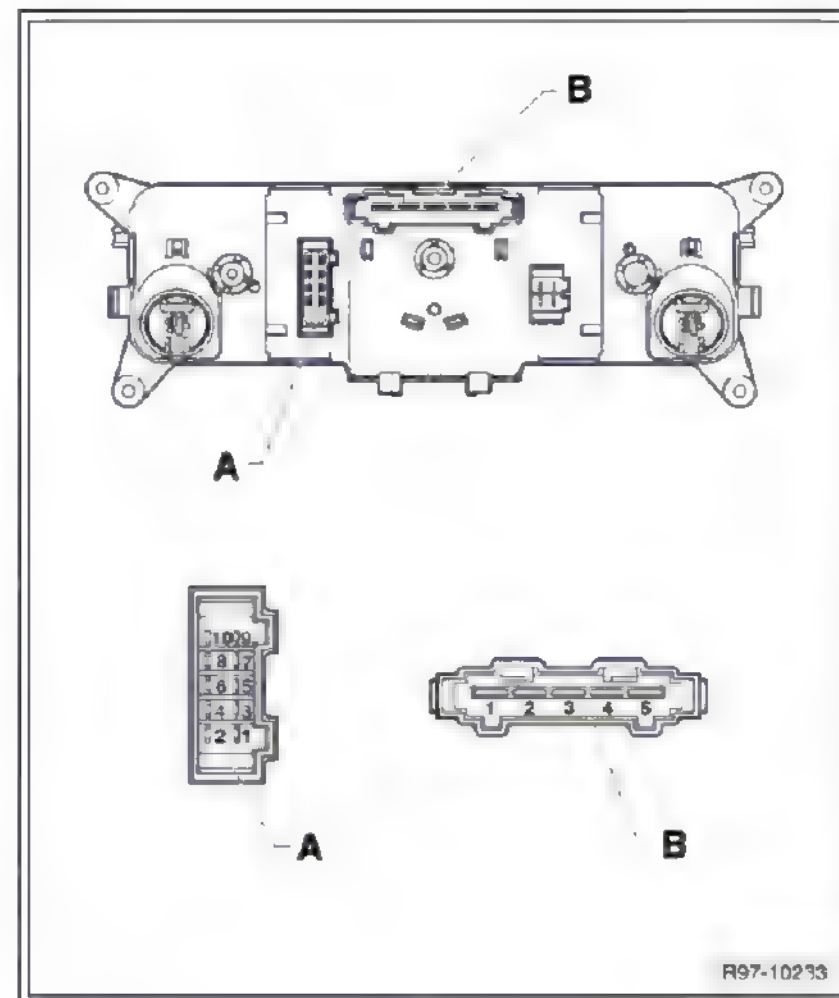


### 1.1.6 Air conditioning system control unit J301

#### Connectors

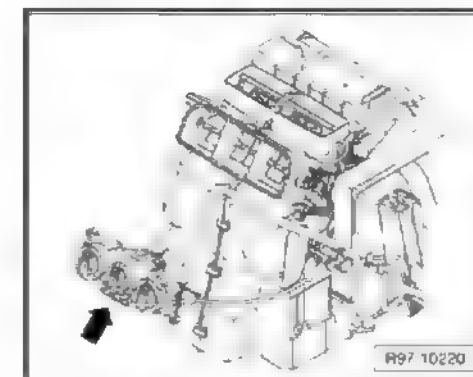
A Fitting connector 10pin on Air conditioning system control unit T10f

B Fitting connector 5pin on fresh air blower switch T5m



- Positioning location

"Above front central console" Arrow



### 1.1.7 Central control unit for the convenience system J393

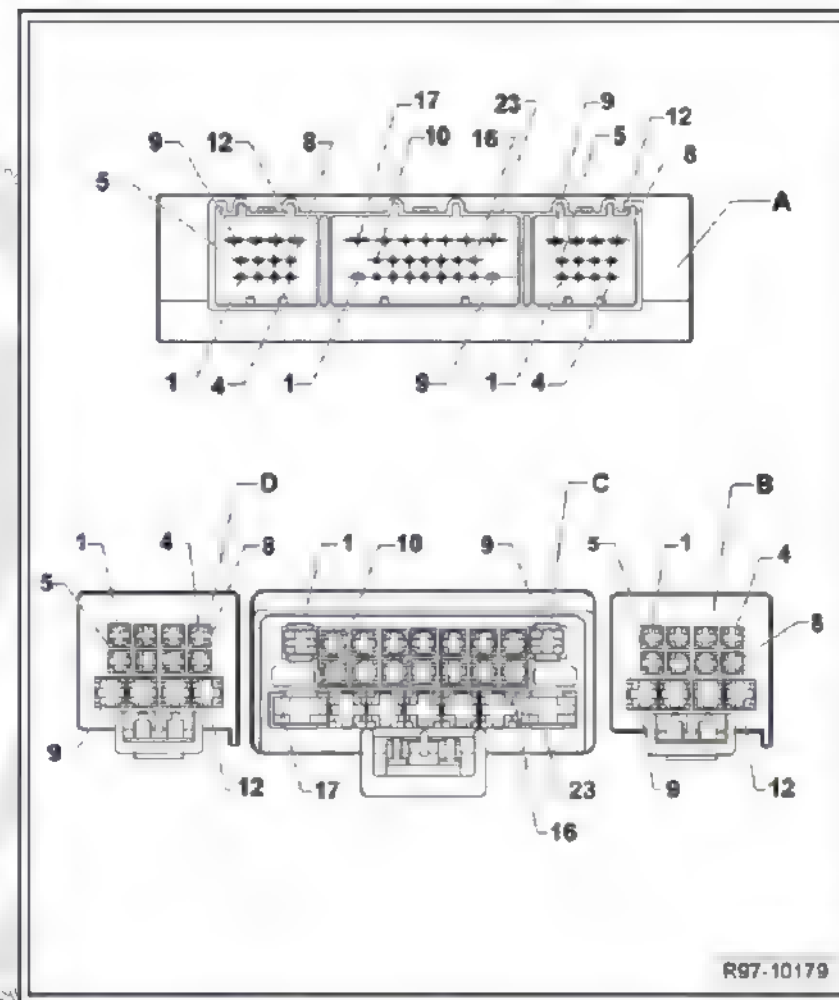
A Central control unit for the convenience system J393

## Connectors

B Fitting connector 12 poles on central control unit for the convenience system T32c

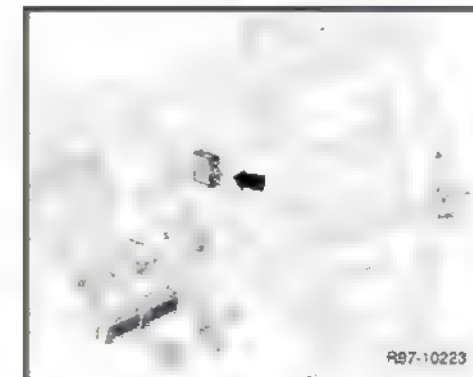
C Fitting connector 23 poles on central control unit for the convenience system T23a

D Fitting connector 12 poles on central control unit for the convenience system T12b



- Positioning location

"Behind dash panel left next to steering  
column" Arrow



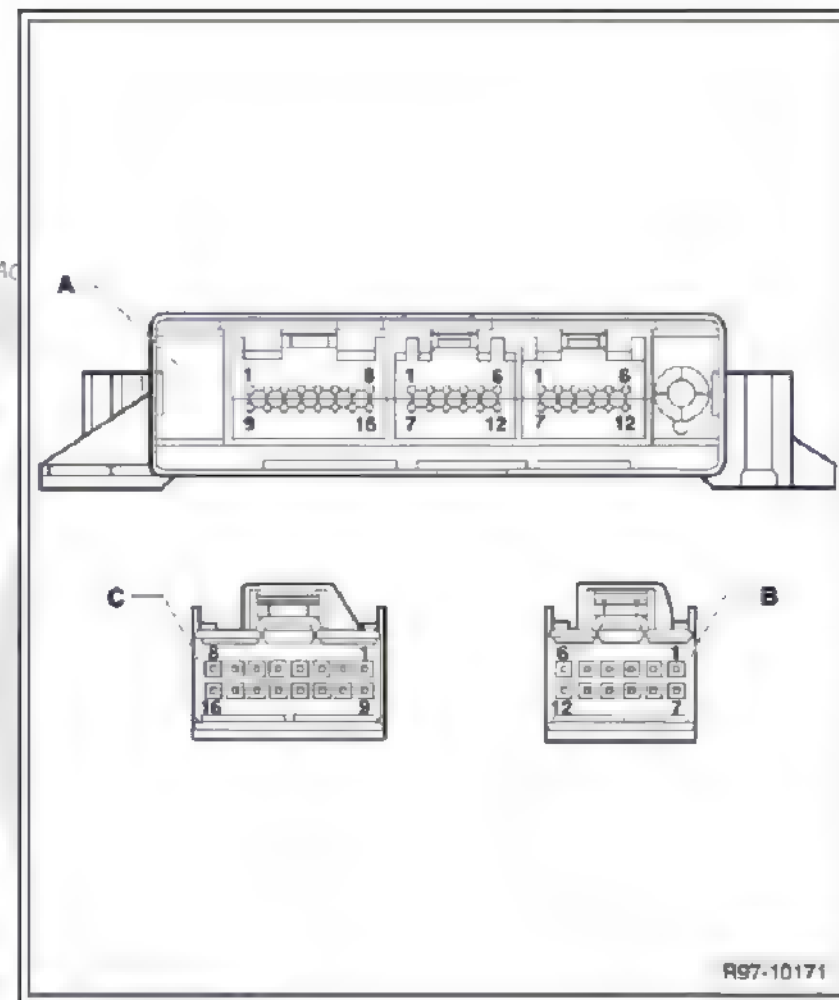
### 1.1.8 Control unit for parking aid J446

A Control unit for parking aid J446

Connectors

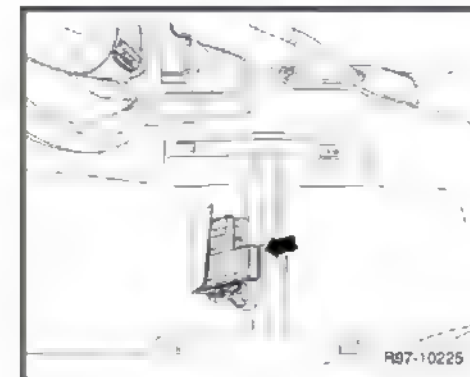
B Fitting connector 12 poles on control unit for parking aid T12f

C Fitting connector 16 poles on control unit for parking aid T16e



- Positioning location

"Under driver seat left next to central  
console" Arrow



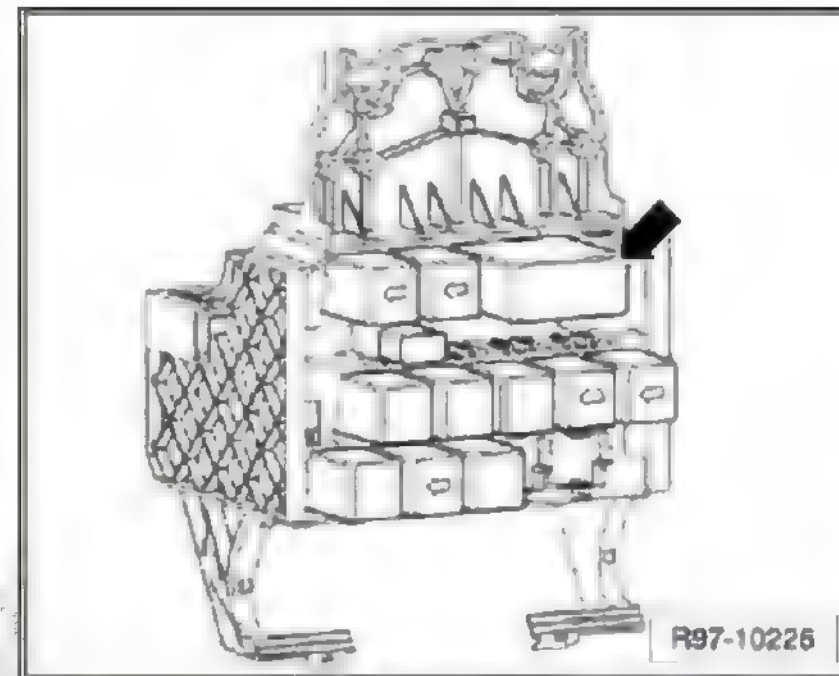
### 1.1.9 Control unit of lights with windshield wiper functions J917

A Control unit of lights with windshield wiper functions J917

Connectors

B Fitting connector 12 poles on control unit of lights with windshield wiper functions T12e

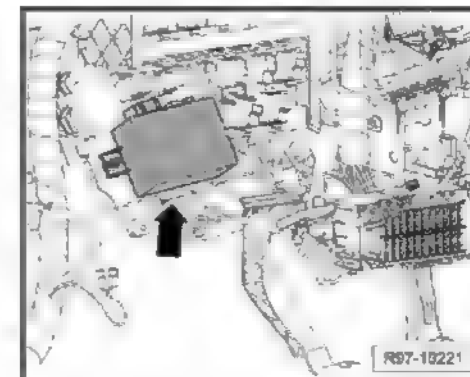
C Fitting connector 16 poles on control unit of lights with windshield wiper functions T16d





- Positioning location

"Behind relay holder left" Arrow

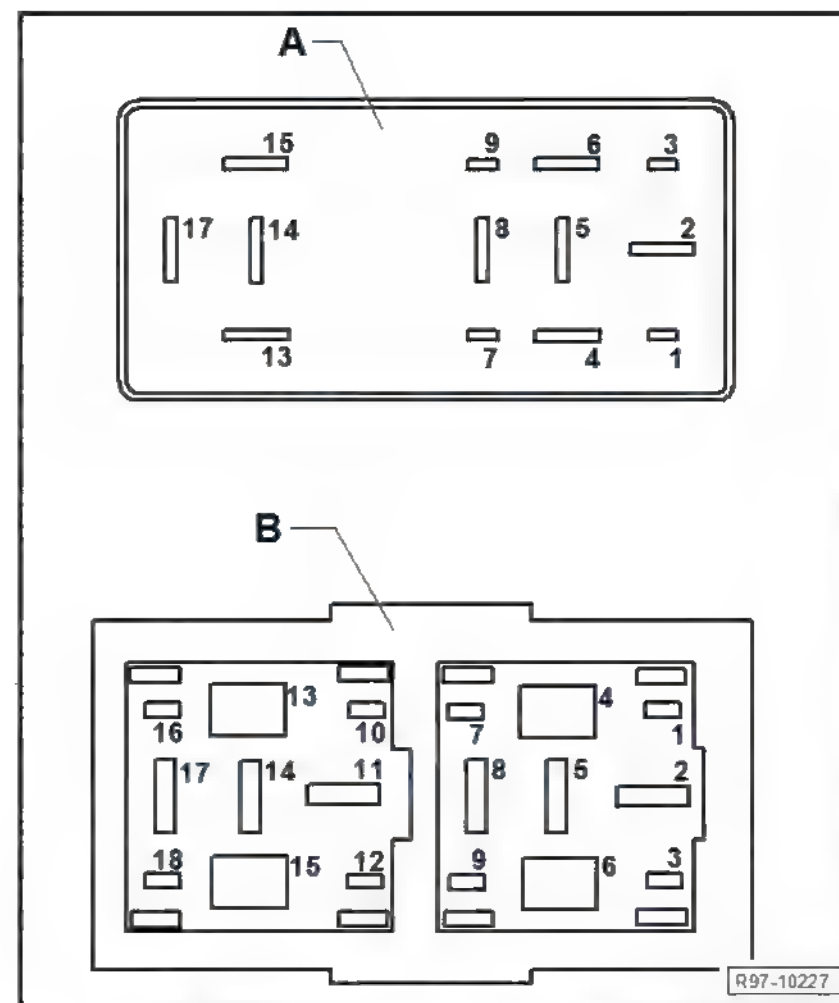


### 1.1.10 Folding exterior mirror control unit J351

A Folding exterior mirror control unit J351

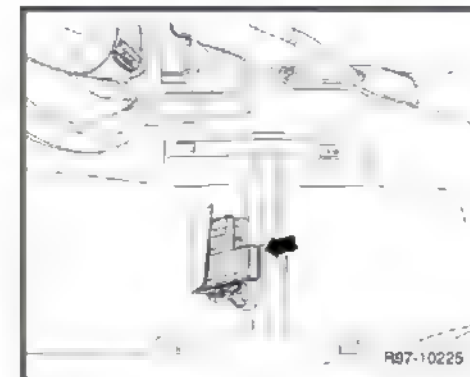
Connector

B Fitting connector 18 poles on Folding exterior mirror control unit T18b



- Positioning location

"On left relay holder" Arrow

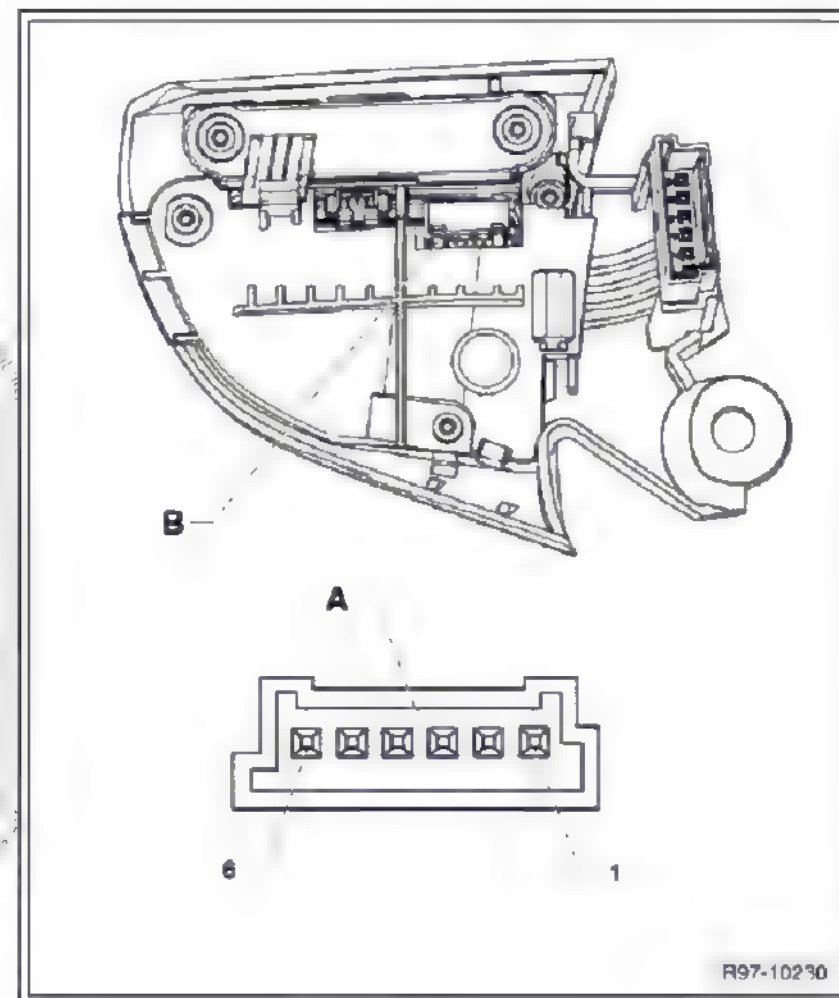


### 1.1.11 Control unit on the steering wheel E221

B Control unit on the steering wheel E221

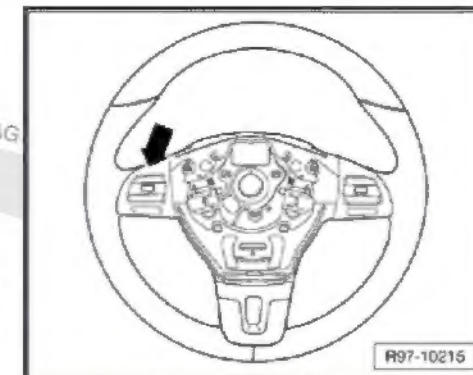
Connector

A Fitting connector 6pin on control unit on the steering wheel T6ai



- Positioning location

"On left steering wheel" Arrow

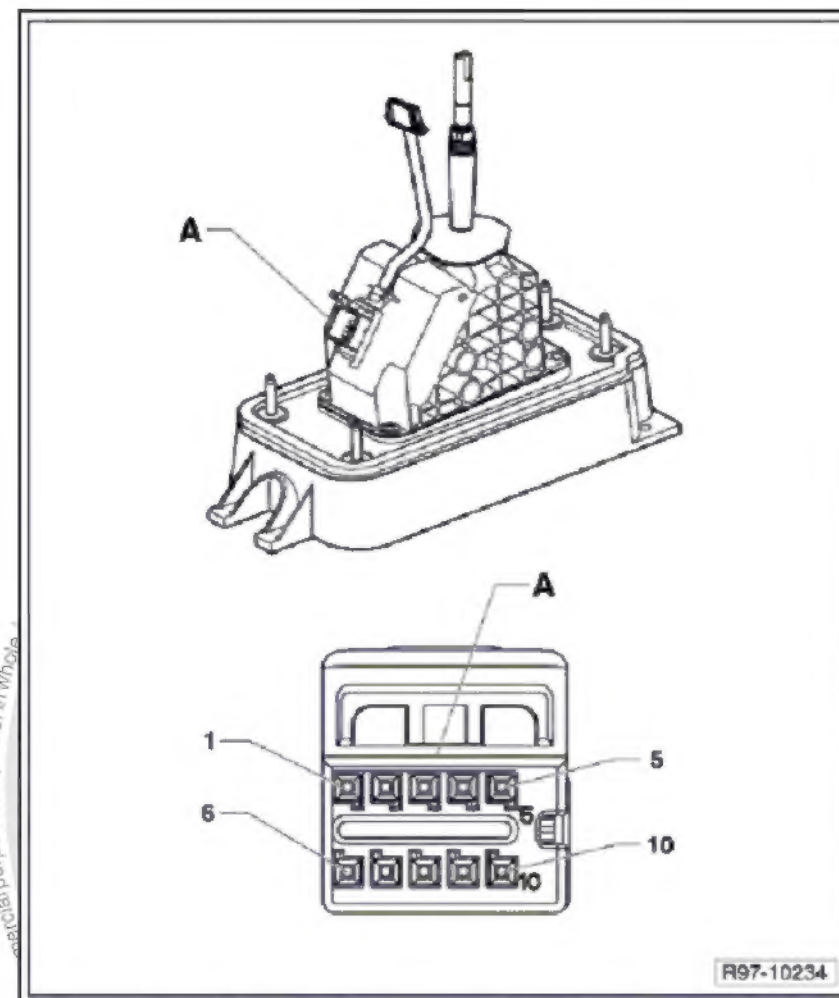


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### 1.1.12 The Selector lever sensor control unit J587

#### Connector

A Fitting connector 10pin on selector lever sensor control unit T10g



- Positioning location

"Under central console" Arrow

